

Juergen H Eckert

List of Publications by Year in descending order

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1,261
papers

51,889
citations

2197

102
h-index

5481

169
g-index

1283
all docs

1283
docs citations

1283
times ranked

27483
citing authors

#	ARTICLE	IF	CITATIONS
1	Additive Manufacturing of CoCrFeMnNi High-Entropy Alloy/AISI 316L Stainless Steel Bimetallic Structures. <i>Advanced Engineering Materials</i> , 2023, 25, .	1.6	4
2	Selective Laser Melting of Al-7Si-0.5Mg-0.5Cu: Effect of Heat Treatment on Microstructure Evolution, Mechanical Properties and Wear Resistance. <i>Acta Metallurgica Sinica (English Letters)</i> , 2022, 35, 389-396.	1.5	9
3	Synthesis, thermodynamic analysis and magnetic study of novel ball-milled Co ₅₀ Fe ₂₅ Ta ₅ Si ₅ C ₁₅ glassy powders with high thermal stability. <i>Journal of Alloys and Compounds</i> , 2022, 894, 162509.	2.8	3
4	Thermodynamic and kinetic interpretation of the glass-forming ability of Y-containing Cu-Zr-Al bulk metallic glasses. <i>Journal of Non-Crystalline Solids</i> , 2022, 576, 121266.	1.5	8
5	Structure-dynamics relationships in cryogenically deformed bulk metallic glass. <i>Nature Communications</i> , 2022, 13, 127.	5.8	24
6	Multilayer crystal-amorphous Pd-based nanosheets on Si/SiO ₂ with interface-controlled ion transport for efficient hydrogen storage. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 6777-6788.	3.8	5
7	Relaxation and Strain-Hardening Relationships in Highly Rejuvenated Metallic Glasses. <i>Materials</i> , 2022, 15, 1702.	1.3	5
8	Thermoplasticity of metallic glasses: Processing and applications. <i>Progress in Materials Science</i> , 2022, 127, 100941.	16.0	26
9	Deformation-induced medium-range order changes in bulk metallic glasses. <i>Physical Review Materials</i> , 2022, 6, .	0.9	4
10	Mapping Shear Bands in Metallic Glasses: From Atomic Structure to Bulk Dynamics. <i>Physical Review Letters</i> , 2022, 128, .	2.9	13
11	Fabrication of stainless-steel microfibers with amorphous-nanosized microstructure with enhanced mechanical properties. <i>Scientific Reports</i> , 2022, 12, .	1.6	6
12	Enhanced Oxygen Evolution Reaction of Zr-Cu-Ni-Al Metallic Glass with an Oxide Layer in Alkaline Media. <i>ACS Catalysis</i> , 2022, 12, 9190-9200.	5.5	4
13	Structural homology of the strength for metallic glasses. <i>Journal of Materials Science and Technology</i> , 2021, 81, 123-130.	5.6	8
14	Composite of medium entropy alloys synthesized using spark plasma sintering. <i>Scripta Materialia</i> , 2021, 191, 46-51.	2.6	16
15	Deformation-Mode-Sensitive Behavior of CuZr-Based Bulk Metallic Glasses Under Dynamic Loading. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2021, 52, 8-13.	1.1	2
16	Microstructure refinement and enhanced tensile properties of Al-11Mg ₂ Si alloy modified by erbium. <i>Journal of Alloys and Compounds</i> , 2021, 860, 158421.	2.8	10
17	Thermomechanical and structural characterization of polybutadiene/poly(ethylene oxide)/CNT stretchable electrospun fibrous membranes. <i>Polymers for Advanced Technologies</i> , 2021, 32, 248-261.	1.6	6
18	X-ray Diffraction Computed Nanotomography Applied to Solve the Structure of Hierarchically Phase-Separated Metallic Glass. <i>ACS Nano</i> , 2021, 15, 2386-2398.	7.3	4

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19	Electrospun polyacrylonitrile/2-(acryloyloxy)ethyl ferrocenecarboxylate polymer blend nanofibers. <i>Molecular Systems Design and Engineering</i> , 2021, 6, 476-492.	1.7	5
20	Functionalized highly electron-rich redox-active electropolymerized 3,4-propylenedioxythiophenes as precursors and targets for bioelectronics and supercapacitors. <i>Molecular Systems Design and Engineering</i> , 2021, 6, 214-233.	1.7	11
21	<i>In situ</i> TEM observation of phase transformation in bulk metallic glass composites. <i>Materials Research Letters</i> , 2021, 9, 189-194.	4.1	9
22	Nanoporous Pd/Cu/Si Amorphous Thin Films for Electrochemical Hydrogen Storage and Sensing. <i>ACS Applied Energy Materials</i> , 2021, 4, 2672-2680.	2.5	7
23	Medium-range order dictates local hardness in bulk metallic glasses. <i>Materials Today</i> , 2021, 44, 48-57.	8.3	47
24	First-Principles Study of the Intrinsic Properties of the fcc/hcp Ti Boundary in Carbon Nanotube/Ti Composites Prepared by High-Pressure Torsion. <i>Physica Status Solidi (B): Basic Research</i> , 2021, 258, 2100093.	0.7	0
25	Origin of Electrocatalytic Activity in Amorphous Nickel-Metalloid Electrodeposits. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 23689-23701.	4.0	8
26	Molecular Dynamics Study of the Nanoindentation Behavior of Cu ₆₄ Zr ₃₆ /Cu Amorphous/Crystalline Nanolaminate Composites. <i>Materials</i> , 2021, 14, 2756.	1.3	10
27	Additive Manufacturing of Aluminum-Based Metal Matrix Composites—A Review. <i>Advanced Engineering Materials</i> , 2021, 23, 2100053.	1.6	42
28	Mechanochemical Synthesis of Rosin-Modified Montmorillonite: A Breakthrough Approach to the Next Generation of OMMT/Rubber Nanocomposites. <i>Nanomaterials</i> , 2021, 11, 1974.	1.9	7
29	Cryo-Casting for Controlled Decomposition of Cu-Zr-Al Bulk Metallic Glass into Nanomaterials: Implications for Design Optimization. <i>ACS Applied Nano Materials</i> , 2021, 4, 7771-7780.	2.4	3
30	Interfacial structure and wear properties of selective laser melted Ti/(TiC+TiN) composites with high content of reinforcements. <i>Journal of Alloys and Compounds</i> , 2021, 870, 159436.	2.8	35
31	Effective Methanol Oxidation with Platinum Nanoparticles-Decorated Poly(2-bromomethyl-2-methyl-3,4-propylenedioxythiophene)-Coated Glassy Carbon Electrode. <i>Journal of the Electrochemical Society</i> , 2021, 168, 086503.	1.3	3
32	Effects of Ni and Co alloying on thermal, magnetic and structural properties of Fe-(Ni,Co)-P-C metallic glass ribbons. <i>Journal of Alloys and Compounds</i> , 2021, 872, 159620.	2.8	10
33	Morphology of cracks and shear bands in polymer-supported thin film metallic glasses. <i>Materials Today Communications</i> , 2021, 28, 102547.	0.9	3
34	Enhancement of Interfacial Hydrogen Interactions with Nanoporous Gold-Containing Metallic Glass. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 42613-42623.	4.0	8
35	Effect of nanoparticles on morphology and size of primary silicon and property of selective laser melted Al-high Si content alloys. <i>Vacuum</i> , 2021, 191, 110405.	1.6	9
36	Direct observation of nanocrystal-induced enhancement of tensile ductility in a metallic glass composite. <i>Materials and Design</i> , 2021, 209, 109970.	3.3	5

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37	Transition metal-based high entropy alloy microfiber electrodes: Corrosion behavior and hydrogen activity. <i>Corrosion Science</i> , 2021, 193, 109880.	3.0	16
38	Effect of cold rolling on the pressure coefficient of glass transition temperature in bulk metallic glasses. <i>Thermochimica Acta</i> , 2021, 706, 179071.	1.2	3
39	Wear Behavior of a Heat-Treatable Al-3.5Cu-1.5Mg-1Si Alloy Manufactured by Selective Laser Melting. <i>Materials</i> , 2021, 14, 7048.	1.3	7
40	Microstructural characterization of medium entropy alloy thin films. <i>Scripta Materialia</i> , 2020, 177, 22-26.	2.6	28
41	Microstructure and mechanical properties of Al-12Si and Al-3.5Cu-1.5Mg-1Si bimetal fabricated by selective laser melting. <i>Journal of Materials Science and Technology</i> , 2020, 36, 18-26.	5.6	42
42	Evaluation of hydrogen storage performance of ZrTiVNiCrFe in electrochemical and gas-solid reactions. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 5347-5355.	3.8	40
43	Aluminum matrix composites reinforced with metallic glass particles with core-shell structure. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 771, 138630.	2.6	34
44	Evolution of Bimodal Microstructure and High-Temperature Wear Resistance of Al-Cu-Ni Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2020, 51, 109-115.	1.1	10
45	Atomic-scale origin of shear band multiplication in heterogeneous metallic glasses. <i>Scripta Materialia</i> , 2020, 178, 57-61.	2.6	83
46	Microstructures, Mechanical Properties, and Corrosion Behaviors of Refractory High-Entropy ReTaWNbMo Alloys. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 399-409.	1.2	13
47	Electrocatalytic Behavior of Hydrogenated Pd-Metallic Glass Nanofilms: Butler-Volmer, Tafel, and Impedance Analyses. <i>Electrocatalysis</i> , 2020, 11, 94-109.	1.5	27
48	Synthesis and characterization of novel mesoporous strontium-modified bioactive glass nanospheres for bone tissue engineering applications. <i>Microporous and Mesoporous Materials</i> , 2020, 294, 109889.	2.2	30
49	New para-magnetic (CoFeNi) ₅₀ (CrMo) ₅₀ (CB) ($x \in [20, 25, 30]$) non-equiatomic high entropy metallic glasses with wide supercooled liquid region and excellent mechanical properties. <i>Journal of Materials Science and Technology</i> , 2020, 43, 135-143.	5.6	22
50	Metal flow behavior of P/M connecting rod preform in flashless forging based on isothermal compression and numerical simulation. <i>Journal of Materials Research and Technology</i> , 2020, 9, 1200-1209.	2.6	11
51	Novel $\hat{1} \pm + \hat{1}^2$ Type Ti-Fe-Cu Alloys Containing Sn with Pertinent Mechanical Properties. <i>Metals</i> , 2020, 10, 34.	1.0	3
52	Effect of mechanically induced structural rejuvenation on the deformation behaviour of CuZr based bulk metallic glass. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 773, 138848.	2.6	19
53	Selective Laser Melting of Aluminum and Its Alloys. <i>Materials</i> , 2020, 13, 4564.	1.3	55
54	Surface-governed electrochemical hydrogenation in FeNi-based metallic glass. <i>Journal of Power Sources</i> , 2020, 475, 228700.	4.0	11

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55	Fabrication and characterization of novel soft magnetic [(Fe _{0.7} Co _{0.3}) _{71.2} B ₂₄ Y _{4.8}]96Nb ₄ /V ₂ O ₅ bulk metallic glassy/composite cores with excellent magnetic permeability and low core losses. <i>Journal of Alloys and Compounds</i> , 2020, 846, 156427.	2.8	8
56	Mg-Based Metallic Glass-Polymer Composites: Investigation of Structure, Thermal Properties, and Biocompatibility. <i>Metals</i> , 2020, 10, 867.	1.0	10
57	Effective electrocatalytic methanol oxidation of Pd-based metallic glass nanofilms. <i>Nanoscale</i> , 2020, 12, 22586-22595.	2.8	22
58	Selective laser melting of high-strength, low-modulus Ti-35Nb-7Zr-5Ta alloy. <i>Materialia</i> , 2020, 14, 100941.	1.3	48
59	Cluster-Related Phenomena in the Properties and Transformations of Transition Metal-Based Glassy Alloys. <i>Metals</i> , 2020, 10, 1025.	1.0	1
60	Surface Functionalization of Biomedical Ti-6Al-7Nb Alloy by Liquid Metal Dealloying. <i>Nanomaterials</i> , 2020, 10, 1479.	1.9	19
61	Signature of local stress states in the deformation behavior of metallic glasses. <i>NPG Asia Materials</i> , 2020, 12, .	3.8	35
62	A review of particulate-reinforced aluminum matrix composites fabricated by selective laser melting. <i>Transactions of Nonferrous Metals Society of China</i> , 2020, 30, 2001-2034.	1.7	106
63	High-entropy eutectic composites with high strength and low Young's modulus. <i>Material Design and Processing Communications</i> , 2020, 3, e211.	0.5	1
64	Effect of tempering and deep cryogenic treatment on microstructure and mechanical properties of Cr-Mo-V-Ni steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 787, 139520.	2.6	32
65	In situ high-energy X-ray diffraction study of thermally-activated martensitic transformation far below room temperature in CuZr-based bulk metallic glass composites. <i>Journal of Alloys and Compounds</i> , 2020, 841, 155781.	2.8	16
66	New Mg-Ca-Zn amorphous alloys: Biocompatibility, wettability and mechanical properties. <i>Materialia</i> , 2020, 12, 100799.	1.3	26
67	High pressure torsion induced lowering of Young's modulus in high strength TNZT alloy for bio-implant applications. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 108, 103839.	1.5	26
68	Phase transformation, thermal behavior and magnetic study of new Co _{80-x} Ta _x Si ₅ C ₁₅ (x= 0, 5) glassy/nanocrystalline alloys prepared by mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2020, 843, 155913.	2.8	7
69	Strain perceptibility of elements on the diffusion in Zr-based amorphous alloys. <i>Scientific Reports</i> , 2020, 10, 4575.	1.6	2
70	Anisotropic elastic and thermodynamic properties of the HCP-Titanium and the FCC-Titanium structure under different pressures. <i>Journal of Materials Research and Technology</i> , 2020, 9, 3488-3501.	2.6	7
71	Soft Ferromagnetic Bulk Metallic Glass with Potential Self-Healing Ability. <i>Materials</i> , 2020, 13, 1319.	1.3	2
72	Oligoether Ester-Functionalized ProDOT Copolymers on Si/Monolayer Graphene as Capacitive Thin Film Electrodes. <i>Journal of the Electrochemical Society</i> , 2020, 167, 070543.	1.3	9

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73	Thermal expansion behavior of Al _x Si alloys fabricated using selective laser melting. <i>Progress in Additive Manufacturing</i> , 2020, 5, 247-257.	2.5	12
74	Hydrogen storage performance of the multi-principal-component CoFeMnTiVZr alloy in electrochemical and gas-solid reactions. <i>RSC Advances</i> , 2020, 10, 24613-24623.	1.7	34
75	Selective laser melting of nanostructured Al-Y-Ni-Co alloy. <i>Manufacturing Letters</i> , 2020, 25, 21-25.	1.1	11
76	Structural and Phase Evolution upon Annealing of Fe ₇₆ Si ₉ B ₁₀ P ₅ Mox (x = 0, 1, 2 and 3) Alloys. <i>Metals</i> , 2020, 10, 881.	1.0	4
77	Outstanding strengthening behavior and dynamic mechanical properties of in-situ Al ₃ Ni composites by Cu addition. <i>Composites Part B: Engineering</i> , 2020, 189, 107891.	5.9	40
78	Transformation-enhanced strength and ductility in a FeCoCrNiMn dual phase high-entropy alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 780, 139182.	2.6	48
79	Chemical bonding effects on the brittle-to-ductile transition in metallic glasses. <i>Acta Materialia</i> , 2020, 188, 273-281.	3.8	29
80	Non-isothermal crystallization kinetics of a Fe-Cr-Mo-B-C amorphous powder. <i>Journal of Alloys and Compounds</i> , 2020, 823, 153783.	2.8	16
81	Fabrication of Metastable Crystalline Nanocomposites by Flash Annealing of Cu _{47.5} Zr _{47.5} Al ₅ Metallic Glass Using Joule Heating. <i>Nanomaterials</i> , 2020, 10, 84.	1.9	10
82	Stability, elasticity and electronic structures of Co-Zr binary intermetallic compounds. <i>Philosophical Magazine</i> , 2020, 100, 874-893.	0.7	3
83	Development and characterization of new Co-Fe-Hf-B bulk metallic glass with high thermal stability and superior soft magnetic performance. <i>Journal of Alloys and Compounds</i> , 2020, 823, 153890.	2.8	9
84	Achieving work hardening by forming boundaries on the nanoscale in a Ti-based metallic glass matrix composite. <i>Journal of Materials Science and Technology</i> , 2020, 50, 192-203.	5.6	11
85	Metallic Glass Films with Nanostructured Periodic Density Fluctuations Supported on Si/SiO ₂ as an Efficient Hydrogen Sorber. <i>Chemistry - A European Journal</i> , 2020, 26, 8244-8253.	1.7	11
86	Study of thermal and structural characteristics of mechanically milled nanostructured Al-Cu-Fe quasicrystals. <i>Materials Chemistry and Physics</i> , 2020, 251, 123071.	2.0	3
87	Premature failure of an additively manufactured material. <i>NPG Asia Materials</i> , 2020, 12, .	3.8	81
88	Nanodiffraction Strain Mapping of Metallic Glasses During In Situ Deformation. <i>Structural Integrity</i> , 2019, , 356-357.	0.8	0
89	Synthesis of new glassy Mg-Ca-Zn alloys with exceptionally low Young's Modulus: Exploring near eutectic compositions. <i>Scripta Materialia</i> , 2019, 173, 139-143.	2.6	7
90	Influence of directional microstructure on mechanical properties in Al-based ultrafine bimodal lamellar structured alloy. <i>Material Design and Processing Communications</i> , 2019, 1, e52.	0.5	2

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91	Impact of the scanning strategy on the mechanical behavior of 316L steel synthesized by selective laser melting. <i>Journal of Manufacturing Processes</i> , 2019, 45, 255-261.	2.8	87
92	Face centered cubic titanium in high pressure torsion processed carbon nanotubes reinforced titanium composites. <i>Journal of Alloys and Compounds</i> , 2019, 806, 939-945.	2.8	3
93	Microstructure and Mechanical Properties of Al ¹² (20)Si Bi-Material Fabricated by Selective Laser Melting. <i>Materials</i> , 2019, 12, 2126.	1.3	27
94	Optimizing the magnetic properties of Fe-based amorphous powder by adjusting atomic structures from vitrification at different temperatures. <i>Journal of Applied Physics</i> , 2019, 126, .	1.1	1
95	Selective laser melting of 316L stainless steel: Influence of TiB ₂ addition on microstructure and mechanical properties. <i>Materials Today Communications</i> , 2019, 21, 100615.	0.9	27
96	Optimizing mechanical properties of Fe _{26.7} Co _{26.7} Ni _{26.7} Si _{8.9} B ₁₁ high entropy alloy by inducing hypoeutectic to quasi-duplex microstructural transition. <i>Scientific Reports</i> , 2019, 9, 360.	1.6	9
97	Effect of heat treatment on microstructure and mechanical properties of 316L steel synthesized by selective laser melting. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 748, 205-212.	2.6	185
98	The preparation of surfactant-free highly dispersed ethylene glycol-based aluminum nitride-carbon nanofluids for heat transfer application. <i>Advanced Powder Technology</i> , 2019, 30, 2032-2041.	2.0	15
99	Exceptional fracture resistance of ultrathin metallic glass films due to an intrinsic size effect. <i>Scientific Reports</i> , 2019, 9, 8281.	1.6	16
100	An investigation on diffusivity while achieving a cylindrical aluminide coating on metals using simultaneous spark plasma sintering of powders. <i>Scripta Materialia</i> , 2019, 170, 156-160.	2.6	5
101	Influence of annealing on microstructure and mechanical properties of ultrafine-grained Ti ₄₅ Nb. <i>Materials and Design</i> , 2019, 179, 107864.	3.3	19
102	Mechanism of high-pressure torsion-induced shear banding and lamellar thickness saturation in Co-Cr-Fe-Ni-Nb high-entropy composites. <i>Journal of Materials Research</i> , 2019, 34, 2672-2682.	1.2	6
103	Mechanochemical synthesis and hydrogenation behavior of (TiFe) _{100-x} Ni _x alloys. <i>Journal of Alloys and Compounds</i> , 2019, 796, 42-46.	2.8	16
104	Structure-Property Relationships in Shape Memory Metallic Glass Composites. <i>Materials</i> , 2019, 12, 1419.	1.3	22
105	Tuning the glass forming ability and mechanical properties of Ti-based bulk metallic glasses by Ga additions. <i>Journal of Alloys and Compounds</i> , 2019, 793, 552-563.	2.8	20
106	Ultrahigh hydrogen-sorbing palladium metallic-glass nanostructures. <i>Materials Horizons</i> , 2019, 6, 1481-1487.	6.4	16
107	Controlling the distribution of structural heterogeneities in severely deformed metallic glass. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 752, 36-42.	2.6	39
108	High-resolution transmission electron microscopy investigation of diffusion in metallic glass multilayer films. <i>Materials Today Advances</i> , 2019, 1, 100004.	2.5	9

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109	Stability of the B2 CuZr phase in Cu-Zr-Al-Sc bulk metallic glass matrix composites. <i>Journal of Alloys and Compounds</i> , 2019, 790, 657-665.	2.8	13
110	Fast and direct determination of fragility in metallic glasses using chip calorimetry. <i>Heliyon</i> , 2019, 5, e01334.	1.4	9
111	Deformation behavior of designed dual-phase CuZr metallic glasses. <i>Materials and Design</i> , 2019, 168, 107662.	3.3	22
112	Polymorphic Transformation and Magnetic Properties of Rapidly Solidified Fe _{26.7} Co _{26.7} Ni _{26.7} Si _{8.9} B _{11.0} High-Entropy Alloys. <i>Materials</i> , 2019, 12, 590.	1.3	9
113	Mechanochemical reaction of Al and melamine: a potential approach towards the <i>in situ</i> synthesis of aluminum nitride-carbon nanotube nanocomposites. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 22121-22131.	1.3	6
114	Synthesis, characterization and thermodynamic stability of nanostructured μ -iron carbonitride powder prepared by a solid-state mechanochemical route. <i>Journal of Alloys and Compounds</i> , 2019, 778, 327-336.	2.8	6
115	Mechanical properties of the magnetocaloric intermetallic LaFe _{11.2} Si _{1.8} alloy at different length scales. <i>Acta Materialia</i> , 2019, 165, 40-50.	3.8	25
116	Co-Cr-Mo-C-B metallic glasses with wide supercooled liquid region obtained by systematic adjustment of the metalloid ratio. <i>Journal of Non-Crystalline Solids</i> , 2019, 505, 310-319.	1.5	6
117	Removing the oxide layer in a nanostructured aluminum alloy by local shear deformation between nanoscale phases. <i>Powder Technology</i> , 2019, 343, 733-737.	2.1	1
118	A comparative study of glass-forming ability, crystallization kinetics and mechanical properties of Zr ₅₅ Co ₂₅ Al ₂₀ and Zr ₅₂ Co ₂₅ Al ₂₃ bulk metallic glasses. <i>Journal of Alloys and Compounds</i> , 2019, 785, 422-428.	2.8	32
119	Annealing-assisted high-pressure torsion in Zr ₅₅ Cu ₃₀ Al ₁₀ Ni ₅ metallic glass. <i>Journal of Alloys and Compounds</i> , 2019, 784, 1323-1333.	2.8	13
120	Estimation of diffusivity from densification data obtained during spark plasma sintering. <i>Scripta Materialia</i> , 2019, 161, 36-39.	2.6	17
121	Powder metallurgy of Al-based composites reinforced with Fe-based glassy particles: Effect of microstructural modification. <i>Particulate Science and Technology</i> , 2019, 37, 286-291.	1.1	14
122	Universally scaling Hall-Petch-like relationship in metallic glass matrix composites. <i>International Journal of Plasticity</i> , 2018, 105, 225-238.	4.1	43
123	On cryothermal cycling as a method for inducing structural changes in metallic glasses. <i>NPG Asia Materials</i> , 2018, 10, 137-145.	3.8	68
124	Origin of large plasticity and multiscale effects in iron-based metallic glasses. <i>Nature Communications</i> , 2018, 9, 1333.	5.8	89
125	A heat treatable TiB ₂ /Al-3.5Cu-1.5Mg-1Si composite fabricated by selective laser melting: Microstructure, heat treatment and mechanical properties. <i>Composites Part B: Engineering</i> , 2018, 147, 162-168.	5.9	134
126	Thermally-triggered Dual In-situ Self-healing Metallic Materials. <i>Scientific Reports</i> , 2018, 8, 2120.	1.6	9

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127	Anisotropy in local microstructure – Does it affect the tensile properties of the SLM samples?. Manufacturing Letters, 2018, 15, 33-37.	1.1	55
128	Microstructures, Martensitic Transformation, and Mechanical Behavior of Rapidly Solidified Ti-Ni-Hf and Ti-Ni-Si Shape Memory Alloys. Journal of Materials Engineering and Performance, 2018, 27, 1005-1015.	1.2	5
129	Local-structure change rendered by electronic localization-delocalization transition in cerium-based metallic glasses. Physical Review B, 2018, 97, .	1.1	4
130	Amorphous martensite in $\hat{\text{T}}^2$ -Ti alloys. Nature Communications, 2018, 9, 506.	5.8	35
131	High strength nanostructured Al-based alloys through optimized processing of rapidly quenched amorphous precursors. Scientific Reports, 2018, 8, 1090.	1.6	18
132	Liquid ejection temperature dependence of structure and glass transition behavior for rapidly solidified Zr-Al-M (M=Ni, Cu or Co) ternary glassy alloys. Journal of Alloys and Compounds, 2018, 739, 1104-1114.	2.8	9
133	Thermomechanical processing of In-containing $\hat{\text{T}}^2$ -type Ti-Nb alloys. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 79, 283-291.	1.5	17
134	Anisotropic elastic properties and phase stability of B2 and B19 CuZr structures under hydrostatic pressure. Intermetallics, 2018, 98, 60-68.	1.8	15
135	Local nanoscale strain mapping of a metallic glass during <i>in situ</i> testing. Applied Physics Letters, 2018, 112, .	1.5	35
136	Dual self-organised shear banding behaviours and enhanced ductility in phase separating Zr-based bulk metallic glasses. Philosophical Magazine, 2018, 98, 1744-1764.	0.7	13
137	Microstructure and mechanical properties of hierarchical multi-phase composites based on Al-Ni-type intermetallic compounds in the Al-Ni-Cu-Si alloy system. Journal of Alloys and Compounds, 2018, 749, 205-210.	2.8	35
138	Microstructure and strength of nano-/ultrafine-grained carbon nanotube-reinforced titanium composites processed by high-pressure torsion. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 722, 122-128.	2.6	31
139	Thermal behavior, structural relaxation and magnetic study of a new Hf-microalloyed Co-based glassy alloy with high thermal stability. Journal of Alloys and Compounds, 2018, 748, 553-560.	2.8	9
140	MnFePSi-based magnetocaloric packed bed regenerators: Structural details probed by X-ray tomography. Chemical Engineering Science, 2018, 175, 84-90.	1.9	10
141	Wetting, reactivity, and phase formation at interfaces between Ni-Al melts and TiB_2 ultrahigh-temperature ceramic. Journal of the American Ceramic Society, 2018, 101, 911-918.	1.9	15
142	Metal release and cell biological compatibility of beta-type Ti-40Nb containing indium. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2018, 106, 1686-1697.	1.6	23
143	Microstructure and mechanical properties of Al-Cu alloys fabricated by selective laser melting of powder mixtures. Journal of Alloys and Compounds, 2018, 735, 2263-2266.	2.8	84
144	Elastostatic reversibility in thermally formed bulk metallic glasses: nanobeam diffraction fluctuation electron microscopy. Nanoscale, 2018, 10, 1081-1089.	2.8	10

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145	Rapid and partial crystallization to design ductile CuZr-based bulk metallic glass composites. <i>Materials and Design</i> , 2018, 139, 132-140.	3.3	46
146	Microstructure and mechanical properties of a heat-treatable Al-3.5Cu-1.5Mg-1Si alloy produced by selective laser melting. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 711, 562-570.	2.6	121
147	Coexistence of adjacent vacancy-ordered and eutectic phases in Al-Cu-Ni alloys. <i>Philosophical Magazine Letters</i> , 2018, 98, 486-493.	0.5	3
148	Influence of Nb on the Microstructure and Fracture Toughness of (Zr _{0.76} Fe _{0.24}) _{100-x} Nb _x Nano-Eutectic Composites. <i>Materials</i> , 2018, 11, 113.	1.3	10
149	Strengthening Effects in Nano-/Ultrafine-Grained Carbon Nanotube Reinforced-Titanium Composites Investigated by Finite Element Modeling. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2018, 49, 6469-6478.	1.1	10
150	Additive Manufacturing of a 316L Steel Matrix Composite Reinforced with CeO ₂ Particles: Process Optimization by Adjusting the Laser Scanning Speed. <i>Technologies</i> , 2018, 6, 25.	3.0	31
151	Structural and mechanical characterization of heterogeneities in a CuZr-based bulk metallic glass processed by high pressure torsion. <i>Acta Materialia</i> , 2018, 160, 147-157.	3.8	45
152	Electrosorption of Hydrogen in Pd-Based Metallic Glass Nanofilms. <i>ACS Applied Energy Materials</i> , 2018, 1, 2630-2646.	2.5	28
153	Plastic deformation mechanisms in severely strained eutectic high entropy composites explained via strain rate sensitivity and activation volume. <i>Composites Part B: Engineering</i> , 2018, 150, 7-13.	5.9	38
154	Effect of boron addition on thermal and mechanical properties of Co-Cr-Mo-C(B) glass-forming alloys. <i>Intermetallics</i> , 2018, 99, 1-7.	1.8	25
155	Influence of severe straining and strain rate on the evolution of dislocation structures during micro-/nanoindentation in high entropy lamellar eutectics. <i>International Journal of Plasticity</i> , 2018, 109, 121-136.	4.1	51
156	Correlation between the atomic configurations and the amorphous-to-icosahedral phase transition in metallic glasses. <i>Journal of Materials Research</i> , 2018, 33, 2775-2783.	1.2	2
157	Enhancing the interface bonding in carbon nanotubes reinforced Al matrix composites by the in situ formation of TiAl ₃ and TiC. <i>Journal of Alloys and Compounds</i> , 2018, 765, 98-105.	2.8	38
158	Phase formation, microstructure and deformation behavior of heavily alloyed TiNb- and TiV-based titanium alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 733, 80-86.	2.6	32
159	Pressure-assisted sintering of Al-Gd-Ni-Co amorphous alloy powders. <i>Materialia</i> , 2018, 2, 157-166.	1.3	13
160	Martensitic Transformation and Plastic Deformation of TiCuNiZr-Based Bulk Metallic Glass Composites. <i>Metals</i> , 2018, 8, 196.	1.0	10
161	Deformation localization in metallic glasses studied by in situ TEM deformation. <i>Microscopy and Microanalysis</i> , 2018, 24, 1820-1821.	0.2	0
162	Metallic glass nanolaminates with shape memory alloys. <i>Acta Materialia</i> , 2018, 159, 344-351.	3.8	38

#	ARTICLE	IF	CITATIONS
163	Cooperative deformation behavior between the shear band and boundary sliding of an Al-based nanostructure-dendrite composite. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 735, 81-88.	2.6	21
164	Microstructural Characterization of a Laser Surface Remelted Cu-Based Shape Memory Alloy. <i>Materials Research</i> , 2018, 21, .	0.6	0
165	Ductile bulk metallic glass by controlling structural heterogeneities. <i>Scientific Reports</i> , 2018, 8, 9174.	1.6	42
166	Effects of new beta-type Ti-40Nb implant materials, brain-derived neurotrophic factor, acetylcholine and nicotine on human mesenchymal stem cells of osteoporotic and non osteoporotic donors. <i>PLoS ONE</i> , 2018, 13, e0193468.	1.1	15
167	Structure of glassy Cu _{47.5} Zr _{47.5} Ag ₅ investigated with neutron diffraction with isotopic substitution, X-ray diffraction, EXAFS and reverse Monte Carlo simulation. <i>Journal of Non-Crystalline Solids</i> , 2017, 459, 99-102.	1.5	9
168	Corrosion properties of high-strength nanocrystalline Al ₈₄ Ni ₇ Gd ₆ Co ₃ alloy produced by hot pressing of metallic glass. <i>Journal of Alloys and Compounds</i> , 2017, 707, 63-67.	2.8	7
169	Designing a novel functional-structural NiTi/hydroxyapatite composite with enhanced mechanical properties and high bioactivity. <i>Intermetallics</i> , 2017, 84, 35-41.	1.8	13
170	Nanoindentation and wear properties of Ti and Ti-TiB composite materials produced by selective laser melting. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 688, 20-26.	2.6	225
171	Microstructure and thermal expansion behavior of Al-50Si synthesized by selective laser melting. <i>Journal of Alloys and Compounds</i> , 2017, 699, 548-553.	2.8	65
172	Deformation mechanisms to ameliorate the mechanical properties of novel TRIP/TWIP Co-Cr-Mo-(Cu) ultrafine eutectic alloys. <i>Scientific Reports</i> , 2017, 7, 39959.	1.6	24
173	Self-Terminating Confinement Approach for Large-Area Uniform Monolayer Graphene Directly over Si/SiO ₂ by Chemical Vapor Deposition. <i>ACS Nano</i> , 2017, 11, 1946-1956.	7.3	108
174	Transient nucleation and microstructural design in flash-annealed bulk metallic glasses. <i>Acta Materialia</i> , 2017, 127, 416-425.	3.8	57
175	Micro-patterning by thermoplastic forming of Ni-free Ti-based bulk metallic glasses. <i>Materials and Design</i> , 2017, 120, 204-211.	3.3	25
176	Selective laser melting of ultra-high-strength TRIP steel: processing, microstructure, and properties. <i>Journal of Materials Science</i> , 2017, 52, 4944-4956.	1.7	29
177	Local melting to design strong and plastically deformable bulk metallic glass composites. <i>Scientific Reports</i> , 2017, 7, 42518.	1.6	16
178	Glass-forming ability and microstructural evolution of [(Fe _{0.6} Co _{0.4}) _{0.75} Si _{0.05} B _{0.20}] _{96-x} Nb ₄ M _x metallic glasses studied by Mössbauer spectroscopy. <i>Journal of Alloys and Compounds</i> , 2017, 704, 748-759.	2.8	14
179	Structural, elastic and electronic properties of CoZr in B2 and B33 structures under high pressure. <i>Journal of Alloys and Compounds</i> , 2017, 705, 445-455.	2.8	18
180	Micropatterning kinetics of different glass-forming systems investigated by thermoplastic net-shaping. <i>Scripta Materialia</i> , 2017, 137, 127-131.	2.6	16

#	ARTICLE	IF	CITATIONS
181	Mechanochemical synthesis of nanostructured metal nitrides, carbonitrides and carbon nitride: a combined theoretical and experimental study. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 12414-12424.	1.3	15
182	Reciprocating sliding wear behavior of high-strength nanocrystalline Al ₈₄ Ni ₇ Gd ₆ Co ₃ alloys. <i>Wear</i> , 2017, 382-383, 78-84.	1.5	14
183	Is the energy density a reliable parameter for materials synthesis by selective laser melting?. <i>Materials Research Letters</i> , 2017, 5, 386-390.	4.1	294
184	Influence of the Ag concentration on the medium-range order in a CuZrAlAg bulk metallic glass. <i>Scientific Reports</i> , 2017, 7, 44903.	1.6	25
185	Processing of Ti-5553 with improved mechanical properties via an in-situ heat treatment combining selective laser melting and substrate plate heating. <i>Materials and Design</i> , 2017, 130, 83-89.	3.3	64
186	Microstructure and abrasive wear behavior of a novel FeCrMoVC laser cladding alloy for high-performance tool steels. <i>Wear</i> , 2017, 382-383, 107-112.	1.5	41
187	Advanced Engineering Materials 4 th 2017. <i>Advanced Engineering Materials</i> , 2017, 19, 1700108.	1.6	1
188	Atomic origin for rejuvenation of a Zr-based metallic glass at cryogenic temperature. <i>Journal of Alloys and Compounds</i> , 2017, 718, 254-259.	2.8	22
189	Mechanism of formation of fibrous eutectic Si and thermal conductivity of SiC p /Al-20Si composites solidified under high pressure. <i>Journal of Alloys and Compounds</i> , 2017, 709, 329-336.	2.8	30
190	Dichlorosilane-derived nano-silicon inside hollow carbon spheres as a high-performance anode for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 9262-9271.	5.2	28
191	β ₂ -type Ti-based bulk metallic glass composites with tailored structural metastability. <i>Journal of Alloys and Compounds</i> , 2017, 708, 972-981.	2.8	36
192	Rapid fabrication of function-structure-integrated NiTi alloys: Towards a combination of excellent superelasticity and favorable bioactivity. <i>Intermetallics</i> , 2017, 82, 1-13.	1.8	16
193	Hierarchical surface patterning of Ni- and Be-free Ti- and Zr-based bulk metallic glasses by thermoplastic net-shaping. <i>Materials Science and Engineering C</i> , 2017, 73, 398-405.	3.8	25
194	Formation of metastable cellular microstructures in selective laser melted alloys. <i>Journal of Alloys and Compounds</i> , 2017, 707, 27-34.	2.8	387
195	Defining the tensile properties of Al-12Si parts produced by selective laser melting. <i>Acta Materialia</i> , 2017, 126, 25-35.	3.8	304
196	Thermal stability and latent heat of Nb-rich martensitic Ti-Nb alloys. <i>Journal of Alloys and Compounds</i> , 2017, 697, 300-309.	2.8	60
197	Effect of replacing Nb with (Mo and Zr) on glass forming ability, magnetic and mechanical properties of FeCoBSiNb bulk metallic glass. <i>Journal of Alloys and Compounds</i> , 2017, 707, 78-81.	2.8	24
198	Influence of testing orientation on mechanical properties of Ti45Nb deformed by high pressure torsion. <i>Materials and Design</i> , 2017, 114, 40-46.	3.3	22

#	ARTICLE	IF	CITATIONS
199	A combined experimental and theoretical investigation of the Al-Melamine reactive milling system: A mechanistic study towards AlN-based ceramics. <i>Journal of Alloys and Compounds</i> , 2017, 729, 240-248.	2.8	11
200	Microstructure evolution and mechanical properties of carbon nanotubes reinforced Al matrix composites. <i>Materials Characterization</i> , 2017, 133, 122-132.	1.9	62
201	Designing a multifunctional Ti-2Cu-4Ca porous biomaterial with favorable mechanical properties and high bioactivity. <i>Journal of Alloys and Compounds</i> , 2017, 727, 338-345.	2.8	8
202	Powder metallurgical processing of low modulus β -type Ti-45Nb to bulk and macro-porous compacts. <i>Powder Technology</i> , 2017, 322, 393-401.	2.1	16
203	Structural modifications in sub-T _g annealed CuZr-based metallic glass. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 707, 245-252.	2.6	21
204	Cryogenic-temperature-induced structural transformation of a metallic glass. <i>Materials Research Letters</i> , 2017, 5, 284-291.	4.1	28
205	Influencing the crystallization of Fe ₈₀ Nb ₁₀ B ₁₀ metallic glass by ball milling. <i>Journal of Alloys and Compounds</i> , 2017, 725, 227-236.	2.8	19
206	Effect of Co additions on the phase formation, thermal stability, and mechanical properties of rapidly solidified Ti-Cu-based alloys. <i>Journal of Materials Research</i> , 2017, 32, 2578-2584.	1.2	2
207	Stability of shear banding process in bulk metallic glasses and composites. <i>Journal of Materials Research</i> , 2017, 32, 2560-2569.	1.2	9
208	Interface and stability analysis of Tantalum- and Titanium nitride thin films onto Lithiumniobate. <i>Applied Surface Science</i> , 2017, 425, 254-260.	3.1	8
209	Hardening of shear band in metallic glass. <i>Scientific Reports</i> , 2017, 7, 7076.	1.6	15
210	Friction welding of selective laser melted Ti6Al4V parts. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 704, 66-71.	2.6	44
211	Bond length deviation in CuZr metallic glasses. <i>Physical Review B</i> , 2017, 96, .	1.1	11
212	Giant thermal expansion and β -precipitation pathways in Ti-alloys. <i>Nature Communications</i> , 2017, 8, 1429.	5.8	81
213	Optimization of the Hot Forging Processing Parameters for Powder Metallurgy Fe-Cu-C Connecting Rods Based on Finite Element Simulation. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2017, 48, 6027-6037.	1.1	11
214	Deformation Behavior of Powder Metallurgy Connecting Rod Preform During Hot Forging Based on Hot Compression and Finite Element Method Simulation. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2017, 48, 2971-2978.	1.1	7
215	Composition optimization of low modulus and high-strength TiNb-based alloys for biomedical applications. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 65, 866-871.	1.5	100
216	Hysteretic behavior of soft magnetic elastomer composites. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 426, 60-63.	1.0	30

#	ARTICLE	IF	CITATIONS
217	Effect of thermomechanical processing on the mechanical biofunctionality of a low modulus Ti-40Nb alloy. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 65, 137-150.	1.5	61
218	Microstructure, mechanical behavior, and wear properties of FeCrMoVC steel prepared by selective laser melting and casting. <i>Scripta Materialia</i> , 2017, 126, 41-44.	2.6	41
219	Lifetime vs. rate capability: Understanding the role of FEC and VC in high-energy Li-ion batteries with nano-silicon anodes. <i>Energy Storage Materials</i> , 2017, 6, 26-35.	9.5	166
220	Selective laser melting of Al-Zn-Mg-Cu: Heat treatment, microstructure and mechanical properties. <i>Journal of Alloys and Compounds</i> , 2017, 707, 287-290.	2.8	147
221	Micro-to-nano-scale deformation mechanism of a Ti-based dendritic-ultrafine eutectic alloy exhibiting large tensile ductility. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 682, 673-678.	2.6	23
222	Ab-initio and experimental study of phase stability of Ti-Nb alloys. <i>Journal of Alloys and Compounds</i> , 2017, 696, 481-489.	2.8	42
223	Structural modification through pressurized sub-T _g annealing of metallic glasses. <i>Journal of Applied Physics</i> , 2017, 122, .	1.1	13
224	Strain dependence of diffusion in Zr-based bulk amorphous alloy. <i>Journal of Applied Physics</i> , 2017, 122, 245105.	1.1	4
225	Additive Manufacturing Processes: Selective Laser Melting, Electron Beam Melting and Binder Jetting – Selection Guidelines. <i>Materials</i> , 2017, 10, 672.	1.3	513
226	Additive Manufacturing: Reproducibility of Metallic Parts. <i>Technologies</i> , 2017, 5, 8.	3.0	38
227	Wetting behaviour and reactivity between liquid Gd and ZrO ₂ substrate. <i>Journal of Mining and Metallurgy, Section B: Metallurgy</i> , 2017, 53, 285-293.	0.3	2
228	Effect of Alloying Elements in Melt Spun Mg-alloys for Hydrogen Storage. <i>Materials Research</i> , 2016, 19, 20-26.	0.6	0
229	Mechanical and Corrosion Behavior of New Generation Ti-45Nb Porous Alloys Implant Devices. <i>Technologies</i> , 2016, 4, 33.	3.0	22
230	Characterization of 316L Steel Cellular Dodecahedron Structures Produced by Selective Laser Melting. <i>Technologies</i> , 2016, 4, 34.	3.0	56
231	Effect of Particle Size on Microstructure and Mechanical Properties of Al-Based Composite Reinforced with 10 Vol.% Mechanically Alloyed Mg-7.4%Al Particles. <i>Technologies</i> , 2016, 4, 37.	3.0	29
232	Tensile Properties of Al-12Si Fabricated via Selective Laser Melting (SLM) at Different Temperatures. <i>Technologies</i> , 2016, 4, 38.	3.0	36
233	Tungsten as a Chemically-Stable Electrode Material on Ga-Containing Piezoelectric Substrates Langasite and Catangasite for High-Temperature SAW Devices. <i>Materials</i> , 2016, 9, 101.	1.3	16
234	Ti/Al Multi-Layered Sheets: Accumulative Roll Bonding (Part A). <i>Metals</i> , 2016, 6, 30.	1.0	16

#	ARTICLE	IF	CITATIONS
235	Ti/Al Multi-Layered Sheets: Differential Speed Rolling (Part B). <i>Metals</i> , 2016, 6, 31.	1.0	8
236	Analysis of the thermal and temporal stability of Ta and Ti thin films onto SAW substrate materials (LiNbO ₃ and LiTaO ₃) using ARXPS. <i>Surface and Interface Analysis</i> , 2016, 48, 570-574.	0.8	4
237	Auger and X-ray photoelectron spectroscopy on lithiated HOPG. <i>Surface and Interface Analysis</i> , 2016, 48, 501-504.	0.8	4
238	Layered-to-Tunnel Structure Transformation and Oxygen Redox Chemistry in LiRhO ₂ upon Li Extraction and Insertion. <i>Inorganic Chemistry</i> , 2016, 55, 7079-7089.	1.9	20
239	Influence of ejection temperature on structure and glass transition behavior for Zr-based rapidly quenched disordered alloys. <i>Acta Materialia</i> , 2016, 116, 370-381.	3.8	28
240	Effect of high pressure solidification on tensile properties and strengthening mechanisms of Al-20Si. <i>Journal of Alloys and Compounds</i> , 2016, 688, 88-93.	2.8	39
241	Kinetic analysis of the non-isothermal crystallization process, magnetic and mechanical properties of FeCoBSiNb and FeCoBSiNbCu bulk metallic glasses. <i>Journal of Applied Physics</i> , 2016, 119, .	1.1	31
242	Microstructure and thermal conductivity of hypereutectic Al-high Si produced by casting and spray deposition. <i>Journal of Materials Research</i> , 2016, 31, 2948-2955.	1.2	12
243	Effect of Cu and Gd on Structural and Magnetic Properties of Fe-Co-B-Si-Nb Metallic Glasses. <i>Solid State Phenomena</i> , 2016, 254, 60-64.	0.3	2
244	In-situ Quasi-Instantaneous e-beam Driven Catalyst-Free Formation Of Crystalline Aluminum Borate Nanowires. <i>Scientific Reports</i> , 2016, 6, 22524.	1.6	2
245	Effect of substrate material on the growth and field emission characteristics of large-area carbon nanotube forests. <i>Journal of Applied Physics</i> , 2016, 119, .	1.1	13
246	Local microstructure evolution at shear bands in metallic glasses with nanoscale phase separation. <i>Scientific Reports</i> , 2016, 6, 25832.	1.6	41
247	Reentrant spin-glass behavior and bipolar exchange-bias effect in Sn-substituted cobalt-orthotitanate. <i>Journal of Applied Physics</i> , 2016, 119, .	1.1	20
248	A study of the micro- and nanoscale deformation behavior of individual austenitic dendrites in a FeCrMoVC cast alloy using micro- and nanoindentation experiments. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	4
249	A comparative study on the isochronal and isothermal crystallization kinetics of Co _{46.45} Fe _{25.55} Ta ₈ B ₂₀ soft magnetic metallic glass with high thermal stability. <i>Journal of Alloys and Compounds</i> , 2016, 675, 223-230.	2.8	33
250	Electrochemical deposition of hydroxyapatite on beta-Ti-40Nb. <i>Surface and Coatings Technology</i> , 2016, 294, 186-193.	2.2	38
251	Microstructure and mechanical properties of the near-beta titanium alloy Ti-5553 processed by selective laser melting. <i>Materials and Design</i> , 2016, 105, 75-80.	3.3	138
252	Processing of Al-Ti-TNM composites by selective laser melting and evaluation of compressive and wear properties. <i>Journal of Materials Research</i> , 2016, 31, 55-65.	1.2	103

#	ARTICLE	IF	CITATIONS
253	Hierarchically nanostructured hollow carbon nanospheres for ultra-fast and long-life energy storage. Carbon, 2016, 106, 306-313.	5.4	31
254	Mapping of residual strains around a shear band in bulk metallic glass by nanobeam X-ray diffraction. Acta Materialia, 2016, 111, 187-193.	3.8	47
255	Laser surface remelting of a Cu-Al-Ni-Mn shape memory alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 661, 61-67.	2.6	41
256	Improving the glass-forming ability and plasticity of a TiCu-based bulk metallic glass composite by minor additions of Si. Journal of Alloys and Compounds, 2016, 663, 531-539.	2.8	18
257	Ion milling-induced micrometer-sized heterogeneities and partial crystallization in a TiZrCuFeBe bulk metallic glass. Intermetallics, 2016, 73, 5-11.	1.8	9
258	Influence of processing parameters on the fabrication of a Cu-Al-Ni-Mn shape-memory alloy by selective laser melting. Additive Manufacturing, 2016, 11, 23-31.	1.7	80
259	Thermal oxidation behavior of glass-forming Ti-Zr-(Nb)-Si alloys. Journal of Materials Research, 2016, 31, 1264-1274.	1.2	5
260	Compression behavior of inter-particle regions in high-strength Al ₈₄ Ni ₇ Gd ₆ Co ₃ alloy. Materials Letters, 2016, 185, 25-28.	1.3	7
261	Frontispiece: Alloying Behavior of Self-Assembled Noble Metal Nanoparticles. Chemistry - A European Journal, 2016, 22, .	1.7	1
262	Effect of cerium addition on microstructure and mechanical properties of high-strength Fe ₈₅ Cr ₄ Mo ₈ V ₂ C ₁ cast steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 674, 366-374.	2.6	52
263	Concurrent usage models for statistical testing of complex systems with concurrent streams of use. Science of Computer Programming, 2016, 132, 173-189.	1.5	0
264	Tailoring the Bain strain of martensitic transformations in Ti-Nb alloys by controlling the Nb content. International Journal of Plasticity, 2016, 85, 190-202.	4.1	31
265	Processing, microstructure and mechanical properties of Al-based metal matrix composites reinforced with mechanically alloyed particles. Journal of Materials Research, 2016, 31, 1229-1236.	1.2	5
266	Negentropic stabilization of metastable β -Ti in bulk metallic glass composites. Scripta Materialia, 2016, 125, 19-23.	2.6	21
267	Ideal shear banding in metallic glass. Philosophical Magazine, 2016, 96, 3159-3176.	0.7	3
268	Influence of Ag and Co additions on glass-forming ability, thermal and mechanical properties of Cu-Zr-Al bulk metallic glasses. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 673, 90-98.	2.6	28
269	Formation and phase evolution of liquid phase-separated metallic glasses with double glass transition, crystallization and melting. Materials Today Communications, 2016, 8, 64-71.	0.9	5
270	Granulation of Bulk Metallic Glass Forming Alloys as a Feedstock for Thermoplastic Forming and their Compaction into Bulk Samples. Materials Science Forum, 2016, 879, 589-594.	0.3	2

#	ARTICLE	IF	CITATIONS
271	Alloying Behavior of Self-Assembled Noble Metal Nanoparticles. Chemistry - A European Journal, 2016, 22, 13446-13450.	1.7	25
272	Transformation-mediated plasticity in CuZr based metallic glass composites: A quantitative mechanistic understanding. International Journal of Plasticity, 2016, 85, 34-51.	4.1	68
273	Substitution effect on glass formation of Ni ₃ Co ₆₀ -Nb ₄₀ alloys. Materials Letters, 2016, 185, 541-544.	1.3	0
274	Two-phase quasi-equilibrium in β -type Ti-based bulk metallic glass composites. Scientific Reports, 2016, 6, 19235.	1.6	39
275	Towards the Better: Intrinsic Property Amelioration in Bulk Metallic Glasses. Scientific Reports, 2016, 6, 27271.	1.6	17
276	Structural evolution and strength change of a metallic glass at different temperatures. Scientific Reports, 2016, 6, 30876.	1.6	49
277	High pressure die casting of Fe-based metallic glass. Scientific Reports, 2016, 6, 35258.	1.6	23
278	Correlation between structural heterogeneity and plastic deformation for phase separating FeCu metallic glasses. Scientific Reports, 2016, 6, 34340.	1.6	8
279	Localized crystallization in shear bands of a metallic glass. Scientific Reports, 2016, 6, 19358.	1.6	25
280	Compositional depth profiling of diamond-like carbon layers by glow discharge optical emission spectroscopy. Journal of Analytical Atomic Spectrometry, 2016, 31, 2207-2212.	1.6	9
281	High Area Capacity Lithium-Sulfur Full-cell Battery with Prelithiated Silicon Nanowire-Carbon Anodes for Long Cycling Stability. Scientific Reports, 2016, 6, 27982.	1.6	69
282	Mechanochemical route to the synthesis of nanostructured Aluminium nitride. Scientific Reports, 2016, 6, 33375.	1.6	32
283	Investigation of Ni-B Alloys for Joining of TiB ₂ Ultra-High-Temperature Ceramic. Journal of Materials Engineering and Performance, 2016, 25, 3204-3210.	1.2	10
284	Simultaneous enhancements of strength and toughness in an Al-12Si alloy synthesized using selective laser melting. Acta Materialia, 2016, 115, 285-294.	3.8	408
285	Synergistically Enhanced Polysulfide Chemisorption Using a Flexible Hybrid Separator with N and S Dual-Doped Mesoporous Carbon Coating for Advanced Lithium-Sulfur Batteries. ACS Applied Materials & Interfaces, 2016, 8, 14586-14595.	4.0	153
286	Enhanced polysulphide redox reaction using a RuO ₂ nanoparticle-decorated mesoporous carbon as functional separator coating for advanced lithium-sulphur batteries. Chemical Communications, 2016, 52, 8134-8137.	2.2	81
287	Brittle-to-Ductile Transition in Metallic Glass Nanowires. Nano Letters, 2016, 16, 4467-4471.	4.5	87
288	Low Young's modulus Ti-based porous bulk glassy alloy without cytotoxic elements. Acta Biomaterialia, 2016, 36, 323-331.	4.1	29

#	ARTICLE	IF	CITATIONS
289	Interplay of the Open Circuit Potential-Relaxation and the Dissolution Behavior of a Single H ₂ Bubble Generated at a Pt Microelectrode. Journal of Physical Chemistry C, 2016, 120, 15137-15146.	1.5	9
290	Designing new biocompatible glass-forming Ti ₇₅ Al _x Zr ₁₀ Nb _x Si ₁₅ (x=0, 15) alloys: corrosion, passivity, and apatite formation. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2016, 104, 27-38.	1.6	23
291	A novel high-throughput setup for <i>in situ</i> powder diffraction on coin cell batteries. Journal of Applied Crystallography, 2016, 49, 340-345.	1.9	68
292	Structure-property relationships in nanoporous metallic glasses. Acta Materialia, 2016, 106, 199-207.	3.8	101
293	Manipulation of free volumes in a metallic glass through Xe-ion irradiation. Acta Materialia, 2016, 106, 66-77.	3.8	113
294	Interfacial interactions between liquid Ti-Al alloys and TiB ₂ ceramic. Journal of Materials Science, 2016, 51, 1779-1787.	1.7	12
295	Wettability and work of adhesion of liquid sulfur on carbon materials for electrical energy storage applications. Carbon, 2016, 98, 702-707.	5.4	8
296	Preparation of cast-iron-based nanocrystalline alloy with Cu and Nb addition. Intermetallics, 2016, 69, 54-61.	1.8	8
297	Wetting behaviour of Cu-Ga alloys on 304L steel. Materials and Design, 2016, 91, 11-18.	3.3	7
298	Glass-forming ability, thermal stability of B ₂ CuZr phase, and crystallization kinetics for rapidly solidified Cu-Zr-Zn alloys. Journal of Alloys and Compounds, 2016, 664, 99-108.	2.8	30
299	Reconfiguration of lithium sulphur batteries: Enhancement of Li-S cell performance by employing a highly porous conductive separator coating. Journal of Power Sources, 2016, 309, 76-81.	4.0	69
300	Review on manufacture by selective laser melting and properties of titanium based materials for biomedical applications. Materials Technology, 2016, 31, 66-76.	1.5	97
301	Anodically fabricated TiO ₂ -SnO ₂ nanotubes and their application in lithium ion batteries. Journal of Materials Chemistry A, 2016, 4, 5542-5552.	5.2	46
302	Role of 1,3-Dioxolane and LiNO ₃ Addition on the Long Term Stability of Nanostructured Silicon/Carbon Anodes for Rechargeable Lithium Batteries. Journal of the Electrochemical Society, 2016, 163, A557-A564.	1.3	83
303	Ti-based bulk glassy composites obtained by replacement of Ni with Ga. Intermetallics, 2016, 69, 28-34.	1.8	7
304	Microstructure and phase formation in Al ₂₀ Si ₅ Fe ₃ Cu ₁ Mg synthesized by selective laser melting. Journal of Alloys and Compounds, 2016, 657, 430-435.	2.8	68
305	Improved cycling stability of lithium-sulfur batteries using a polypropylene-supported nitrogen-doped mesoporous carbon hybrid separator as polysulfide adsorbent. Journal of Power Sources, 2016, 303, 317-324.	4.0	114
306	Atomic structure and thermal behavior of (Co _{0.65} ,Fe _{0.35}) ₇₂ Ta ₈ B ₂₀ metallic glass with excellent soft magnetic properties. Intermetallics, 2016, 69, 21-27.	1.8	11

#	ARTICLE	IF	CITATIONS
307	Structure and properties of sputter deposited crystalline and amorphous Cu-Ti films. Thin Solid Films, 2016, 598, 184-188.	0.8	10
308	CVD growth of 1D and 2D sp ² carbon nanomaterials. Journal of Materials Science, 2016, 51, 640-667.	1.7	70
309	Shear avalanches in plastic deformation of a metallic glass composite. International Journal of Plasticity, 2016, 77, 141-155.	4.1	56
310	Microstructure and properties of FeCrMoVC tool steel produced by selective laser melting. Materials and Design, 2016, 89, 335-341.	3.3	135
311	Effect of reinforcement phase on the mechanical property of tungsten nanocomposite synthesized by spark plasma sintering. International Journal of Refractory Metals and Hard Materials, 2016, 54, 14-18.	1.7	20
312	Magnetic compensation, field-dependent magnetization reversal, and complex magnetic ordering in Co_2Z . Physical Review B, 2015, 92, .	1.1	46
313	Imprinting bulk amorphous alloy at room temperature. Scientific Reports, 2015, 5, 16540.	1.6	8
314	In Situ Electrochemical Analysis during Deformation of a Zr-Based Bulk Metallic Glass: A Sensitive Tool Revealing Early Shear Banding. Advanced Engineering Materials, 2015, 17, 1532-1535.	1.6	8
315	Functional Mesoporous Carbon-Coated Separator for Long-Life, High-Energy Lithium-Sulfur Batteries. Advanced Functional Materials, 2015, 25, 5285-5291.	7.8	374
316	Nanostructured Ti-Zr-Pd-Si(Nb) bulk metallic composites: Novel biocompatible materials with superior mechanical strength and elastic recovery. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2015, 103, 1569-1579.	1.6	8
317	Phase Separation in Rapid Solidified Ag-rich Ag-Cu-Zr Alloys. Materials Research, 2015, 18, 120-126.	0.6	10
318	Mechanical and Structural Investigation of Porous Bulk Metallic Glasses. Metals, 2015, 5, 920-933.	1.0	17
319	Effect of Milling Time and the Consolidation Process on the Properties of Al Matrix Composites Reinforced with Fe-Based Glassy Particles. Metals, 2015, 5, 669-685.	1.0	25
320	Stress-Corrosion Interactions in Zr-Based Bulk Metallic Glasses. Metals, 2015, 5, 1262-1278.	1.0	7
321	Deformation-Induced Martensitic Transformation in Cu-Zr-Zn Bulk Metallic Glass Composites. Metals, 2015, 5, 2134-2147.	1.0	19
322	Phase Formation, Thermal Stability and Mechanical Properties of a Cu-Al-Ni-Mn Shape Memory Alloy Prepared by Selective Laser Melting. Materials Research, 2015, 18, 35-38.	0.6	36
323	Lithium Insertion into Li_2MoO_4 : Reversible Formation of $(\text{Li}_3\text{Mo})\text{O}_4$ with a Disordered Rock-Salt Structure. Chemistry of Materials, 2015, 27, 4485-4492.	3.2	27
324	Structural aspects of elasto-plastic deformation of a Zr-based bulk metallic glass under uniaxial compression. Acta Materialia, 2015, 95, 30-36.	3.8	26

#	ARTICLE	IF	CITATIONS
325	Crystallization Kinetics of Fe _{76.5} Al _x Cu _{6.0} Si _{3.3} B _{5.5} P _{8.7} (x=0, 0.5, and 1 at.%) Bulk Amorphous Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 2415-2421.	1.1	19
326	Stress corrosion cracking of a Zr-based bulk metallic glass. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 639, 681-690.	2.6	12
327	Oxidation as A Means to Remove Surface Contaminants on Cu Foil Prior to Graphene Growth by Chemical Vapor Deposition. Journal of Physical Chemistry C, 2015, 119, 13363-13368.	1.5	57
328	Vickers-indentation-induced crystallization in a metallic glass. Applied Physics Letters, 2015, 106, 101909.	1.5	9
329	Additive manufacturing of Cu-10Sn bronze. Materials Letters, 2015, 156, 202-204.	1.3	208
330	Tungsten/molybdenum thin films for application as interdigital transducers on high temperature stable piezoelectric substrates La ₃ Ga ₅ SiO ₁₄ and Ca ₃ TaGa ₃ Si ₂ O ₁₄ . Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2015, 202, 31-38.	1.7	19
331	Hybrid nanostructured aluminum alloy with super-high strength. NPG Asia Materials, 2015, 7, e229-e229.	3.8	82
332	Mechanical behavior of porous commercially pure Ti and Ti-TiB composite materials manufactured by selective laser melting. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 625, 350-356.	2.6	235
333	Influence of annealing on microstructure and magnetic properties of cobalt-based amorphous/nanocrystalline powders synthesized by mechanical alloying. Journal of Alloys and Compounds, 2015, 632, 296-302.	2.8	12
334	Mesoporous Carbon Interlayers with Tailored Pore Volume as Polysulfide Reservoir for High-Energy Lithium-Sulfur Batteries. Journal of Physical Chemistry C, 2015, 119, 4580-4587.	1.5	120
335	High strength beta titanium alloys: New design approach. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 628, 297-302.	2.6	65
336	Structural features of plastic deformation in bulk metallic glasses. Applied Physics Letters, 2015, 106, .	1.5	24
337	Structural evolution in Ti-Cu-Ni metallic glasses during heating. APL Materials, 2015, 3, .	2.2	11
338	Tensile properties of Al-12Si matrix composites reinforced with Ti-Al-based particles. Journal of Alloys and Compounds, 2015, 630, 256-259.	2.8	45
339	High-temperature wetting and interfacial interaction between liquid Al and TiB ₂ ceramic. Journal of Materials Science, 2015, 50, 2682-2690.	1.7	45
340	Hierarchical densification and negative thermal expansion in Ce-based metallic glass under high pressure. Nature Communications, 2015, 6, 5703.	5.8	38
341	Phase transformations and mechanical properties of biocompatible Ti-16.1Nb processed by severe plastic deformation. Journal of Alloys and Compounds, 2015, 628, 434-441.	2.8	67
342	Production of high strength Al ₈₅ Nd ₈ Ni ₅ Co ₂ alloy by selective laser melting. Additive Manufacturing, 2015, 6, 1-5.	1.7	120

#	ARTICLE	IF	CITATIONS
343	A size dependent evaluation of the cytotoxicity and uptake of nanographene oxide. <i>Journal of Materials Chemistry B</i> , 2015, 3, 2522-2529.	2.9	56
344	Fabrication of Fe-based bulk metallic glass by selective laser melting: A parameter study. <i>Materials and Design</i> , 2015, 86, 703-708.	3.3	261
345	Challenges for lithium species identification in complementary Auger and X-ray photoelectron spectroscopy. <i>Journal of Power Sources</i> , 2015, 288, 434-440.	4.0	13
346	Intrinsic versus extrinsic effects on serrated flow of bulk metallic glasses. <i>Intermetallics</i> , 2015, 66, 31-39.	1.8	33
347	Direct synthesis of graphene from adsorbed organic solvent molecules over copper. <i>RSC Advances</i> , 2015, 5, 60884-60891.	1.7	32
348	Vertical Graphene Growth from Amorphous Carbon Films Using Oxidizing Gases. <i>Journal of Physical Chemistry C</i> , 2015, 119, 17965-17970.	1.5	7
349	Ordering of water in opals with different microstructures. <i>European Journal of Mineralogy</i> , 2015, 27, 203-213.	0.4	22
350	Emulsion soft templating of carbide-derived carbon nanospheres with controllable porosity for capacitive electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , 2015, 3, 17983-17990.	5.2	23
351	Evaluation of a mobile vacuum transfer system for in vacuo XPS analysis using as-deposited Ti thin-films. <i>Vacuum</i> , 2015, 117, 81-84.	1.6	16
352	Effect of cooling rate on the microstructure and properties of FeCrVC. <i>Journal of Alloys and Compounds</i> , 2015, 634, 200-207.	2.8	25
353	Effect of indium (In) on corrosion and passivity of a beta-type Ti–Nb alloy in Ringer's solution. <i>Applied Surface Science</i> , 2015, 335, 213-222.	3.1	44
354	Length scale-dependent structural relaxation in Zr _{57.5} Ti _{7.5} Nb ₅ Cu _{12.5} Ni ₁₀ Al _{7.5} metallic glass. <i>Journal of Alloys and Compounds</i> , 2015, 639, 465-469.	2.8	23
355	Nanostructure formation mechanism during in-situ consolidation of copper by room-temperature ball milling. <i>Materials & Design</i> , 2015, 65, 1083-1090.	5.1	7
356	Formation of nano-porous GeO _x by de-alloying of an Al–Ge–Mn amorphous alloy. <i>Scripta Materialia</i> , 2015, 104, 49-52.	2.6	11
357	Effect of Metallic Glass Particle Size on the Contact Resistance of Ag/Metallic Glass Electrode. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2015, 46, 2443-2448.	1.1	5
358	Effect of Ga on the Wettability of CuGa ₁₀ on 304L Steel. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2015, 46, 1647-1653.	1.0	4
359	Selective Laser Melting of Ti-45Nb Alloy. <i>Metals</i> , 2015, 5, 686-694.	1.0	75
360	Evolution of microstructure and mechanical properties of as-cast Al-50Si alloy due to heat treatment and P modifier content. <i>Materials & Design</i> , 2015, 74, 150-156.	5.1	52

#	ARTICLE	IF	CITATIONS
361	Influence of Al on glass forming ability and nanocrystallization behavior of cast-iron based bulk amorphous alloy. <i>Journal of Materials Research</i> , 2015, 30, 818-824.	1.2	2
362	Asymmetric first-order transition and interlocked particle state in magnetocaloric $\text{La}(\text{Fe},\text{Si})_{13}$. <i>Physica Status Solidi - Rapid Research Letters</i> , 2015, 9, 136-140.	1.2	54
363	Comparing the pitting corrosion behavior of prominent Zr-based bulk metallic glasses. <i>Journal of Materials Research</i> , 2015, 30, 233-241.	1.2	19
364	Self-Organized TiO_2/CoO Nanotubes as Potential Anode Materials for Lithium Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 909-919.	3.2	50
365	Thermal stability of B2 CuZr phase, microstructural evolution and martensitic transformation in Cu-Zr-Ti alloys. <i>Intermetallics</i> , 2015, 67, 177-184.	1.8	21
366	Al-based matrix composites reinforced with short Fe-based metallic glassy fiber. <i>Journal of Alloys and Compounds</i> , 2015, 651, 170-175.	2.8	33
367	Inhomogeneous thermal expansion of metallic glasses in atomic-scale studied by in-situ synchrotron X-ray diffraction. <i>Journal of Applied Physics</i> , 2015, 117, 044902.	1.1	10
368	Deformation behavior of metallic glass composites reinforced with shape memory nanowires studied via molecular dynamics simulations. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	57
369	Flash Joule heating for ductilization of metallic glasses. <i>Nature Communications</i> , 2015, 6, 7932.	5.8	66
370	Concurrent streams in Markov chain usage models for statistical testing of complex systems. , 2015, , .		2
371	Effect of Powder Particle Shape on the Properties of In Situ Ti-TiB Composite Materials Produced by Selective Laser Melting. <i>Journal of Materials Science and Technology</i> , 2015, 31, 1001-1005.	5.6	201
372	<i>In Situ</i> Observations of Free-Standing Graphene-like Mono- and Bilayer ZnO Membranes. <i>ACS Nano</i> , 2015, 9, 11408-11413.	7.3	118
373	Confirming the Dual Role of Etchants during the Enrichment of Semiconducting Single Wall Carbon Nanotubes by Chemical Vapor Deposition. <i>Chemistry of Materials</i> , 2015, 27, 5964-5973.	3.2	35
374	Structure evolution of soft magnetic $(\text{Fe}_{36}\text{Co}_{36}\text{B}_{19.2}\text{Si}_{4.8}\text{Nb}_4)_{100-x}\text{Cu}$ ($x= 0$ and 0.5) bulk glassy alloys. <i>Acta Materialia</i> , 2015, 95, 335-342.	3.8	21
375	Effect of boron on microstructure and mechanical properties of multicomponent titanium alloys. <i>Materials Letters</i> , 2015, 158, 111-114.	1.3	21
376	SEI-component formation on sub 5 nm sized silicon nanoparticles in Li-ion batteries: the role of electrode preparation, FEC addition and binders. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 24956-24967.	1.3	129
377	Viscosity and fragility of the supercooled liquids and melts from the Fe-Co-B-Si-Nb and Fe-Mo-P-C-B-Si glass-forming alloy systems. <i>Intermetallics</i> , 2015, 66, 48-55.	1.8	21
378	Atomic structure and formation of CuZrAl bulk metallic glasses and composites. <i>Acta Materialia</i> , 2015, 100, 369-376.	3.8	34

#	ARTICLE	IF	CITATIONS
379	Designed heterogeneities improve the fracture reliability of a Zr-based bulk metallic glass. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 646, 242-248.	2.6	16
380	Low Voltage Transmission Electron Microscopy of Graphene. <i>Small</i> , 2015, 11, 515-542.	5.2	54
381	Microstructure and mechanical properties of Mg-Al-based alloy modified with cerium. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 625, 46-49.	2.6	33
382	Tailoring Hollow Silicon-Carbon Nanocomposites As High-Performance Anodes in Secondary Lithium-Based Batteries through Economical Chemistry. <i>Chemistry of Materials</i> , 2015, 27, 37-43.	3.2	42
383	Direct Growth of Ultrafast Transparent Single-Layer Graphene Defoggers. <i>Small</i> , 2015, 11, 1840-1846.	5.2	92
384	Factors influencing the elastic moduli, reversible strains and hysteresis loops in martensitic Ti-Nb alloys. <i>Materials Science and Engineering C</i> , 2015, 48, 511-520.	3.8	63
385	Comparison of wear properties of commercially pure titanium prepared by selective laser melting and casting processes. <i>Materials Letters</i> , 2015, 142, 38-41.	1.3	222
386	A new type of La(Fe,Si) ₁₃ -based magnetocaloric composite with amorphous metallic matrix. <i>Scripta Materialia</i> , 2015, 95, 50-53.	2.6	57
387	Enhancement of glass-forming ability and mechanical behavior of zirconium-lanthanide two-phase bulk metallic glasses. <i>Journal of Alloys and Compounds</i> , 2015, 618, 795-802.	2.8	12
388	The thermal expansion behaviour of SiCp/Al ₂₀ Si composites solidified under high pressures. <i>Materials & Design</i> , 2015, 65, 387-394.	5.1	60
389	Glass formation in the Ti-Cu system with and without Si additions. <i>Journal of Alloys and Compounds</i> , 2015, 618, 413-420.	2.8	9
390	Combining Time and Concurrency in Model-Based Statistical Testing of Embedded Real-Time Systems. <i>Lecture Notes in Computer Science</i> , 2015, , 22-31.	1.0	1
391	Preparation and Cycling Performance of Iron or Iron Oxide Containing Amorphous Al-Li Alloys as Electrodes. <i>Inorganics</i> , 2014, 2, 674-682.	1.2	0
392	Influence of Annealing on Mechanical Properties of Al-20Si Processed by Selective Laser Melting. <i>Metals</i> , 2014, 4, 28-36.	1.0	144
393	Tribological and corrosion properties of Al ₁₂ Si produced by selective laser melting. <i>Journal of Materials Research</i> , 2014, 29, 2044-2054.	1.2	138
394	Effect of geometrical constraint condition on the formation of nanoscale twins in the Ni-based metallic glass composite. <i>Philosophical Magazine Letters</i> , 2014, 94, 351-360.	0.5	3
395	Significant tensile ductility and toughness in an ultrafine-structured Ti 68.8 Nb 13.6 Co 6 Cu 5.1 Al 6.5 bi-modal alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 615, 457-463.	2.6	35
396	Inverse Hall-Petch Like Mechanical Behaviour in Nanophase Al-Cu-Fe Quasicrystals: A New Phenomenon. <i>Acta Physica Polonica A</i> , 2014, 126, 543-548.	0.2	2

#	ARTICLE	IF	CITATIONS
397	Pathways for novel magnetocaloric materials: A processing prospect. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2014, 11, 1039-1042.	0.8	9
398	Various sizes of sliding event bursts in the plastic flow of metallic glasses based on a spatiotemporal dynamic model. <i>Journal of Applied Physics</i> , 2014, 116, .	1.1	19
399	Deformation and fracture behavior of composite structured Ti-Nb-Al-Co(-Ni) alloys. <i>Applied Physics Letters</i> , 2014, 104, 071905.	1.5	20
400	Thermosonic platinum wire bonding on platinum. , 2014, , .		3
401	D2 Enertrode: Production Technologies and Component Integration of Nanostructured Carbon Electrodes for Energy Technologyâ€”Functionalized Carbon Materials for Efficient Electrical Energy Supply. <i>Advanced Engineering Materials</i> , 2014, 16, 1196-1201.	1.6	0
402	Chemical nanoroughening of Ti40Nb surfaces and its effect on human mesenchymal stromal cell response. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2014, 102, 31-41.	1.6	40
403	Retarding the corrosion of iron by inhomogeneous magnetic fields. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2014, 65, 803-808.	0.8	13
404	Naâ€“Sbâ€“Sn ternary phase diagram at room temperature for potential anode materials in sodium-ion batteries. <i>Solid State Ionics</i> , 2014, 268, 261-264.	1.3	12
405	Fabrication and characterization of Co40Fe22Ta8-xYxB30 (xâ€‰=â€‰0, 2.5, 4, 6, and 8) metallic glasses with high thermal stability and good soft magnetic properties. <i>Journal of Applied Physics</i> , 2014, 116, .	1.1	4
406	Deformation at ambient and high temperature of <i>in situ</i> Laves phases-ferrite composites. <i>Science and Technology of Advanced Materials</i> , 2014, 15, 034801.	2.8	11
407	Polarization Studies of Zr-Based Bulk Metallic Glasses for Electrochemical Machining. <i>Journal of the Electrochemical Society</i> , 2014, 161, E66-E73.	1.3	12
408	Microstructure evolution of gas-atomized Feâ€“6.5 wt% Si droplets. <i>Journal of Materials Research</i> , 2014, 29, 527-534.	1.2	12
409	Comparative study of microstructures and mechanical properties of in situ Tiâ€“TiB composites produced by selective laser melting, powder metallurgy, and casting technologies. <i>Journal of Materials Research</i> , 2014, 29, 1941-1950.	1.2	116
410	Selective laser melting of a beta-solidifying TNM-B1 titanium aluminide alloy. <i>Journal of Materials Processing Technology</i> , 2014, 214, 1852-1860.	3.1	131
411	Internal structural evolution and enhanced tensile plasticity of Ti-based bulk metallic glass and composite via cold rolling. <i>Journal of Alloys and Compounds</i> , 2014, 615, S113-S117.	2.8	26
412	Lithium dendrite and solid electrolyte interphase investigation using OsO4. <i>Journal of Power Sources</i> , 2014, 266, 198-207.	4.0	69
413	Magnetic field templated patterning of the soft magnetic alloy CoFe. <i>Electrochimica Acta</i> , 2014, 123, 477-484.	2.6	12
414	Phase formation of Cu50â€“xCoxZr50 (x=0â€“20at.%) alloys: Influence of cooling rate. <i>Journal of Alloys and Compounds</i> , 2014, 590, 428-434.	2.8	20

#	ARTICLE	IF	CITATIONS
415	Effects of high pressure and SiC content on microstructure and precipitation kinetics of Al ²⁰ Si alloy. <i>Journal of Alloys and Compounds</i> , 2014, 586, 639-644.	2.8	41
416	Influences of residual stresses on the serrated flow in bulk metallic glass under elastostatic four-point bending – A nanoindentation and atomic force microscopy study. <i>Acta Materialia</i> , 2014, 70, 188-197.	3.8	37
417	Microstructure and mechanical properties of new composite structured Ti–V–Al–Cu–Ni alloys for spring applications. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 603, 76-83.	2.6	23
418	Microstructure and mechanical properties of a newly developed high strength Mg _{54.7} Cu _{11.5} Ag _{3.3} Gd _{5.5} Sc ₂₅ alloy. <i>Intermetallics</i> , 2014, 45, 84-88.	1.8	0
419	Friction welding of Al ¹² Si parts produced by selective laser melting. <i>Materials & Design</i> , 2014, 57, 632-637.	5.1	113
420	Manufacture by selective laser melting and mechanical behavior of commercially pure titanium. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 593, 170-177.	2.6	566
421	Ab initio based study of finite-temperature structural, elastic and thermodynamic properties of FeTi. <i>Intermetallics</i> , 2014, 45, 11-17.	1.8	16
422	Influence of Co and Pd on the formation of nanostructured LaMg ₂ Ni and its hydrogen reactivity. <i>Journal of Alloys and Compounds</i> , 2014, 582, 647-658.	2.8	22
423	Free-Standing Single-Atom-Thick Iron Membranes Suspended in Graphene Pores. <i>Science</i> , 2014, 343, 1228-1232.	6.0	274
424	Influence of ball milling on atomic structure and magnetic properties of Co ₄₀ Fe ₂₂ Ta ₈ B ₃₀ glassy alloy. <i>Materials Characterization</i> , 2014, 92, 96-105.	1.9	3
425	Fabrication and mechanical properties of Al-based metal matrix composites reinforced with Mg ₆₅ Cu ₂₀ Zn ₅ Y ₁₀ metallic glass particles. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 600, 53-58.	2.6	82
426	FeCoSiBnCu bulk metallic glass with large compressive deformability studied by time-resolved synchrotron X-ray diffraction. <i>Journal of Applied Physics</i> , 2014, 115, 053520.	1.1	15
427	Mechanical behavior of Al-based matrix composites reinforced with Mg ₅₈ Cu _{28.5} Gd ₁₁ Ag _{2.5} metallic glasses. <i>Advanced Powder Technology</i> , 2014, 25, 635-639.	2.0	41
428	Room Temperature in Situ Growth of B/BO Nanowires and BO Nanotubes. <i>Nano Letters</i> , 2014, 14, 799-805.	4.5	13
429	Crystallization kinetics of Co ₄₀ Fe ₂₂ Ta ₈ B ₃₀ glassy alloy with high thermal stability and soft magnetic properties. <i>Journal of Alloys and Compounds</i> , 2014, 605, 199-207.	2.8	20
430	Texture development in Ti/Al filament wires produced by accumulative swaging and bundling. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 607, 360-367.	2.6	8
431	Role of Surface Functional Groups in Ordered Mesoporous Carbide-Derived Carbon/Ionic Liquid Electrolyte Double-Layer Capacitor Interfaces. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 2922-2928.	4.0	61
432	Phase transformations in ball-milled Ti ⁴⁰ Nb and Ti ⁴⁵ Nb powders upon quenching from the Å phase region. <i>Powder Technology</i> , 2014, 253, 166-171.	2.1	31

#	ARTICLE	IF	CITATIONS
433	Multimetallic Aerogels by Template-Free Self-Assembly of Au, Ag, Pt, and Pd Nanoparticles. Chemistry of Materials, 2014, 26, 1074-1083.	3.2	148
434	Bipolar porous polymeric frameworks for low-cost, high-power, long-life all-organic energy storage devices. Journal of Power Sources, 2014, 245, 553-556.	4.0	66
435	A universal transfer route for graphene. Nanoscale, 2014, 6, 889-896.	2.8	58
436	Al-based metal matrix composites reinforced with Fe _{49.9} Co _{35.1} Nb _{7.7} B _{4.5} Si _{2.8} glassy powder: Mechanical behavior under tensile loading. Journal of Alloys and Compounds, 2014, 615, S382-S385.	2.8	52
437	Mechanism of nanostructure formation in ball-milled Cu and Cu-3wt%Zn studied by X-ray diffraction line profile analysis. Journal of Alloys and Compounds, 2014, 588, 138-143.	2.8	6
438	In situ studies of temperature-dependent behaviour and crystallisation of Ni _{36.5} Pd _{36.5} P ₂₇ metallic glass. Journal of Alloys and Compounds, 2014, 615, S208-S212.	2.8	13
439	Phase formation and mechanical properties of Ti-Cu-Ni-Zr bulk metallic glass composites. Acta Materialia, 2014, 65, 259-269.	3.8	76
440	Possible Piezoelectric Materials Cs _M Zr _{0.5} (MoO ₄) ₃ (M = Al, Sc, V, Cr, Fe, Ga, In) and CsCrTi _{0.5} (MoO ₄) ₃ : Structure and Physical Properties. Journal of Physical Chemistry C, 2014, 118, 1763-1773.	1.5	24
441	Effect of Nb addition on microstructure evolution and nanomechanical properties of a glass-forming Ti-Zr-Si alloy. Intermetallics, 2014, 46, 156-163.	1.8	45
442	Tensile properties of Al matrix composites reinforced with in situ devitrified Al ₈₄ Gd ₆ Ni ₇ Co ₃ glassy particles. Journal of Alloys and Compounds, 2014, 586, S419-S422.	2.8	59
443	Microstructure and mechanical properties of Al-12Si produced by selective laser melting: Effect of heat treatment. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 590, 153-160.	2.6	649
444	Direct in situ observations of single Fe atom catalytic processes and anomalous diffusion at graphene edges. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15641-15646.	3.3	100
445	Thermal and soft magnetic properties of Co ₄₀ Fe ₂₂ Ta ₈ B ₃₀ glassy particles: In-situ X-ray diffraction and magnetometry studies. Journal of Applied Physics, 2014, 116, .	1.1	12
446	Analysis of surface pre-treatment for SAW-substrate material (LiNbO ₃) and deposited thin films of Ta/Ti using ARXPS. Surface and Interface Analysis, 2014, 46, 1033-1038.	0.8	9
447	Investigation of early cell-surface interactions of human mesenchymal stem cells on nanopatterned β -type titanium-niobium alloy surfaces. Interface Focus, 2014, 4, 20130046.	1.5	20
448	Graphene Coatings for the Mitigation of Electron Stimulated Desorption and Fullerene Cap Formation. Chemistry of Materials, 2014, 26, 4998-5003.	3.2	5
449	XPS and AES sputter-depth profiling at surfaces of biocompatible passivated Ti-based alloys: concentration quantification considering chemical effects. Surface and Interface Analysis, 2014, 46, 683-688.	0.8	11
450	Hollow carbon nano-onions with hierarchical porosity derived from commercial metal organic framework. Carbon, 2014, 79, 302-309.	5.4	38

#	ARTICLE	IF	CITATIONS
451	Experimental and thermodynamic assessment of the Nd–Ti system. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2014, 47, 136-143.	0.7	6
452	Microstructure, electrical resistivity and stresses in sputter deposited W and Mo films and the influence of the interface on bilayer properties. <i>Thin Solid Films</i> , 2014, 571, 1-8.	0.8	18
453	Determination of the Young's modulus of porous β -type Ti–40Nb by finite element analysis. <i>Materials & Design</i> , 2014, 64, 1-8.	5.1	21
454	Electrochemical oxidation of trivalent chromium in a phosphate matrix: $\text{Li}_3\text{Cr}_2(\text{PO}_4)_3$ as cathode material for lithium ion batteries. <i>Electrochimica Acta</i> , 2014, 139, 356-364.	2.6	23
455	Evaluation of the relationship between the effective strain and the springback behavior during the deformation of metallic glass ribbons. <i>Applied Physics Letters</i> , 2014, 105, 061906.	1.5	3
456	An O ₂ transport study in porous materials within the Li–O ₂ system. <i>Journal of Power Sources</i> , 2014, 269, 825-833.	4.0	5
457	Composition-dependent magnitude of atomic shuffles in Ti–Nb martensites. <i>Journal of Applied Crystallography</i> , 2014, 47, 1374-1379.	1.9	65
458	In situ observations of Pt nanoparticles coalescing inside carbon nanotubes. <i>RSC Advances</i> , 2014, 4, 49442-49445.	1.7	6
459	Structural contribution to the ferroelectric fatigue in lead zirconate titanate ceramics. <i>Physical Review B</i> , 2014, 90, .	1.1	27
460	Processing of High Strength Light-Weight Metallic Composites. <i>Advanced Engineering Materials</i> , 2014, 16, 1208-1216.	1.6	12
461	Specific volume study of a bulk metallic glass far below its calorimetrically determined glass transition temperature. <i>Physical Review B</i> , 2014, 89, .	1.1	9
462	Bi-Mobilstor: Materials for Sustainable Energy Storage Techniques – Lithium Containing Compounds for Hydrogen and Electrochemical Energy Storage. <i>Advanced Engineering Materials</i> , 2014, 16, 1189-1195.	1.6	17
463	Improved Electrochemical Performance of $\text{Cu}_3\text{B}_2\text{O}_6$ -Based Conversion Model Electrodes by Composite Formation with Different Carbon Additives. <i>Journal of the Electrochemical Society</i> , 2014, 161, A1224-A1230.	1.3	2
464	Chemical vapor deposition of twisted bilayer and few-layer MoSe_2 over SiO_2 substrates. <i>Nanotechnology</i> , 2014, 25, 365603.	1.3	15
465	ARXPS measurement simulation for improved data interpretation at complex Ta/Li–Niobate interfaces. <i>Surface and Interface Analysis</i> , 2014, 46, 1094-1098.	0.8	2
466	Local stress gradients in Ti/Al composite wires determined by two-dimensional X-ray microdiffraction. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 616, 44-54.	2.6	1
467	Elastic softening of β -type Ti–Nb alloys by indium (In) additions. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014, 39, 162-174.	1.5	73
468	Carbohydrate-Derived Nanoarchitectures: On a Synergistic Effect Toward an Improved Performance in Lithium–Sulfur Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 126-129.	3.2	29

#	ARTICLE	IF	CITATIONS
469	Synthesis and characterization of amorphous Niâ€“Zr thin films. Thin Solid Films, 2014, 561, 48-52.	0.8	24
470	Structure of rapidly quenched (Cu _{0.5} Zr _{0.5}) ₁₀₀ âˆ™Ag alloys (x= 0â€“40 at.%). Journal of Alloys and Compounds, 2014, 607, 285-290.	2.8	17
471	High-strength ultrafine grain Mgâ€“7.4%Al alloy synthesized by consolidation of mechanically alloyed powders. Journal of Alloys and Compounds, 2014, 610, 456-461.	2.8	30
472	Plastic Flow of a Cu ₅₀ Zr ₄₅ Ti ₅ Bulk Metallic Glass Composite. Journal of Materials Science and Technology, 2014, 30, 609-615.	5.6	24
473	Effect of ball milling on structure and thermal stability of Al ₈₄ Gd ₆ Ni ₇ Co ₃ glassy powders. Intermetallics, 2014, 46, 97-102.	1.8	21
474	Spray forming of Cuâ€“11.85Alâ€“3.2Niâ€“3Mn (wt%) shape memory alloy. Journal of Alloys and Compounds, 2014, 615, S602-S606.	2.8	34
475	Microstructure and thermal expansion behavior of spray-deposited Alâ€“50Si. Materials & Design, 2014, 57, 585-591.	5.1	81
476	Experimental and thermodynamic assessment of the Ndâ€“Zr system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2014, 46, 103-107.	0.7	4
477	Microstructural Evolution and Mechanical Behaviour of Metastable Cuâ€“Zrâ€“Co Alloys. Journal of Materials Science and Technology, 2014, 30, 584-589.	5.6	17
478	Al-based metal matrix composites reinforced with Alâ€“Cuâ€“Fe quasicrystalline particles: Strengthening by interfacial reaction. Journal of Alloys and Compounds, 2014, 607, 274-279.	2.8	64
479	Mechanical behavior and tensile/compressive strength asymmetry of ultrafine structured Tiâ€“Nbâ€“Niâ€“Coâ€“Al alloys with bi-modal grain size distribution. Materials & Design, 2014, 62, 14-20.	5.1	24
480	Phase separation in Zr ₅₆ Gd Co ₂₈ Al ₁₆ metallic glasses (0 âˆ™1/2âˆ™1/2 20). Acta Materialia, 2014, 66, 262-272.	3.8	34
481	Glow discharge plasma as a surface preparation tool for microstructure investigations. Materials Characterization, 2014, 91, 76-88.	1.9	17
482	Metallic glassâ€“steel composite with improved compressive plasticity. Materials & Design, 2014, 59, 241-245.	5.1	13
483	Silicon oxycarbide-derived carbons from a polyphenylsilsequioxane precursor for supercapacitor applications. Microporous and Mesoporous Materials, 2014, 188, 140-148.	2.2	48
484	A Growth Mechanism for Free-Standing Vertical Graphene. Nano Letters, 2014, 14, 3064-3071.	4.5	221
485	Electrical and magnetic properties of Fe-based bulk metallic glass with minor Co and Ni addition. Journal of Magnetism and Magnetic Materials, 2014, 364, 80-84.	1.0	31
486	Experimental and thermodynamic assessment of the Ceâ€“Zr system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2014, 46, 213-219.	0.7	9

#	ARTICLE	IF	CITATIONS
487	Selective laser melting of in situ titanium-titanium boride composites: Processing, microstructure and mechanical properties. <i>Acta Materialia</i> , 2014, 76, 13-22.	3.8	483
488	Atomic structure and magnetic properties of Fe-Nb-B metallic glasses. <i>Journal of Alloys and Compounds</i> , 2014, 586, S189-S193.	2.8	30
489	Unusual oxidation behavior of light metal hydride by tetrahydrofuran solvent molecules confined in ordered mesoporous carbon. <i>Journal of Materials Research</i> , 2014, 29, 55-63.	1.2	2
490	Correlation between atomic structure evolution and strength in a bulk metallic glass at cryogenic temperature. <i>Scientific Reports</i> , 2014, 4, 3897.	1.6	32
491	Micro-to-nano-scale deformation mechanisms of a bimodal ultrafine eutectic composite. <i>Scientific Reports</i> , 2014, 4, 6500.	1.6	46
492	Hierarchical Carbide-Derived Carbon Foams with Advanced Mesostructure as a Versatile Electrochemical Energy Storage Material. <i>Advanced Energy Materials</i> , 2014, 4, 1300645.	10.2	96
493	Production of Porous Metallic Glass Granule by Optimizing Chemical Processing. <i>Journal of Korean Powder Metallurgy Institute</i> , 2014, 21, 251-255.	0.2	1
494	Comparison of different post processing technologies for SLM generated 316l steel parts. <i>Rapid Prototyping Journal</i> , 2013, 19, 173-179.	1.6	108
495	Microstructure and magnetic properties of soft magnetic composites based on silicon resin coated Co ₄₀ Fe ₂₂ Ta ₈ B ₃₀ glassy powders. <i>Intermetallics</i> , 2013, 43, 1-7.	1.8	12
496	Evidence for viscous flow nature in Zr ₆₀ Al ₁₅ Ni ₂₅ metallic glass subjected to cold rolling. <i>Applied Physics Letters</i> , 2013, 103, 021907.	1.5	4
497	Capillary flow of amorphous metal for high performance electrode. <i>Scientific Reports</i> , 2013, 3, 2185.	1.6	20
498	On the transformation-induced work-hardening behavior of Zr _{47.5} Co _{47.5} Al ₅ ultrafine-grained alloy. <i>Intermetallics</i> , 2013, 35, 116-119.	1.8	25
499	Effect of cold-rolling on the crystallization behavior of a CuZr-based bulk metallic glass. <i>Journal of Materials Science</i> , 2013, 48, 6825-6832.	1.7	11
500	Porous low modulus Ti ₄₀ Nb compacts with electrodeposited hydroxyapatite coating for biomedical applications. <i>Materials Science and Engineering C</i> , 2013, 33, 2280-2287.	3.8	30
501	Mechanical Alloying of β -Type Ti-Nb for Biomedical Applications. <i>Advanced Engineering Materials</i> , 2013, 15, 262-268.	1.6	24
502	Phase formation in rapid solidified Ag-Y alloys. <i>Journal of Applied Physics</i> , 2013, 113, 104308.	1.1	2
503	The effect of boron on microstructure and mechanical properties of high-strength cast FeCrVC. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 586, 267-275.	2.6	17
504	Insights into the Early Growth of Homogeneous Single-Layer Graphene over Ni-Mo Binary Substrates. <i>Chemistry of Materials</i> , 2013, 25, 3880-3887.	3.2	27

#	ARTICLE	IF	CITATIONS
505	Experimental and thermodynamic assessment of the Gd-Ti system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2013, 42, 19-26.	0.7	10
506	Size evaluation of nanostructured materials. Materials Letters, 2013, 108, 343-345.	1.3	11
507	Electrochemical micromachining of passive electrodes. Electrochimica Acta, 2013, 109, 562-569.	2.6	18
508	Effect of TaW particles on the microstructure and mechanical properties of metastable Cu _{47.5} Zr _{47.5} Al ₅ alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 587, 372-380.	2.6	7
509	Microstructural characteristics of spray formed and heat treated Al-(Y, La)-Ni-Co system. Journal of Alloys and Compounds, 2013, 578, 471-480.	2.8	7
510	Short hydrogen bonds in 2,4-dinitrobenzoic acid complexed with pyridine. Chemical Physics, 2013, 427, 87-94.	0.9	4
511	Few-Layer Graphene Shells and Nonmagnetic Encapsulates: A Versatile and Nontoxic Carbon Nanomaterial. ACS Nano, 2013, 7, 10552-10562.	7.3	46
512	Structural Changes in the LiCrMnO ₄ Cathode Material during Electrochemical Li Extraction and Insertion. Journal of the Electrochemical Society, 2013, 160, A3082-A3089.	1.3	16
513	On the Role of Vapor Trapping for Chemical Vapor Deposition (CVD) Grown Graphene over Copper. Chemistry of Materials, 2013, 25, 4861-4866.	3.2	60
514	Controlled surface modification of Ti-40Nb implant alloy by electrochemically assisted inductively coupled RF plasma oxidation. Acta Biomaterialia, 2013, 9, 9201-9210.	4.1	24
515	Hydrothermal nanocasting: Synthesis of hierarchically porous carbon monoliths and their application in lithium-sulfur batteries. Carbon, 2013, 61, 245-253.	5.4	120
516	Formation of new Cu-based nanocrystalline powders by mechanical alloying technique. Powder Technology, 2013, 247, 172-177.	2.1	19
517	Selective laser melting of La(Fe,Co,Si) ₁₃ geometries for magnetic refrigeration. Journal of Applied Physics, 2013, 114, .	1.1	111
518	Liquid-liquid demixing and microstructure of Co-Cu-Zr alloys with low Zr content. Intermetallics, 2013, 32, 250-258.	1.8	15
519	Temperature dependence of the short-range order of Cu ₆₅ Zr ₃₅ metallic glass. Intermetallics, 2013, 32, 51-56.	1.8	25
520	Magnetocaloric (Fe-B)-based amorphous alloys. Journal of Magnetism and Magnetic Materials, 2013, 329, 101-104.	1.0	41
521	Promoting nano/ultrafine-duplex structure via accelerated β precipitation in a β -type titanium alloy severely deformed by high-pressure torsion. Scripta Materialia, 2013, 68, 67-70.	2.6	43
522	A bridge from monotectic alloys to liquid-phase-separated bulk metallic glasses: Design, microstructure and phase evolution. Acta Materialia, 2013, 61, 2102-2112.	3.8	55

#	ARTICLE	IF	CITATIONS
523	Surface treatment, corrosion behavior, and apatite-forming ability of Ti-45Nb implant alloy. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2013, 101B, 269-278.	1.6	64
524	Processing metallic glasses by selective laser melting. <i>Materials Today</i> , 2013, 16, 37-41.	8.3	345
525	Fabrication and characterization of bulk glassy Co ₄₀ Fe ₂₂ Ta ₈ B ₃₀ alloy with high thermal stability and excellent soft magnetic properties. <i>Acta Materialia</i> , 2013, 61, 6609-6621.	3.8	32
526	Structure of GP zones in Al-Si matrix composites solidified under high pressure. <i>Materials Letters</i> , 2013, 109, 1-4.	1.3	12
527	Effect of thermal stability of the amorphous substrate on the amorphous oxide growth on Zr-Al-(Cu,Ni) metallic glass surfaces. <i>Corrosion Science</i> , 2013, 73, 1-6.	3.0	41
528	NaAlH ₄ confined in ordered mesoporous carbon. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 8829-8837.	3.8	21
529	Effect of Ti substitution on glass-forming ability and mechanical properties of a brittle Cu-Zr-Al bulk metallic glass. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 563, 112-116.	2.6	27
530	Thermal stability of amorphous oxide in Al ₈₇ Ni ₃ Y ₁₀ metallic glass. <i>Corrosion Science</i> , 2013, 77, 1-5.	3.0	18
531	Enhanced strength and transformation-induced plasticity in rapidly solidified Zr-Co-(Al) alloys. <i>Scripta Materialia</i> , 2013, 68, 897-900.	2.6	31
532	Influence of boron and oxygen on the microstructure and mechanical properties of high-strength Ti ₆ Nb ₁₃ Cu ₈ Ni _{6.8} Al _{6.2} alloys. <i>Acta Materialia</i> , 2013, 61, 3324-3334.	3.8	21
533	Effect of microstructure on the mechanical properties of as-cast Ti-Nb-Al-Cu-Ni alloys for biomedical application. <i>Materials Science and Engineering C</i> , 2013, 33, 4795-4801.	3.8	39
534	DSC, XRD and TEM characterization of glassy Co ₄₀ Fe ₂₂ Ta ₈ B ₃₀ alloy with very high thermal stability. <i>Materials Letters</i> , 2013, 93, 322-325.	1.3	13
535	Aromatic porous-honeycomb electrodes for a sodium-organic energy storage device. <i>Nature Communications</i> , 2013, 4, 1485.	5.8	327
536	Structural behaviour of Pd ₄₀ Cu ₃₀ Ni ₁₀ P ₂₀ metallic glass under high pressure. <i>Intermetallics</i> , 2013, 38, 9-13.	1.8	14
537	Functionalised porous nanocomposites: a multidisciplinary approach to investigate designed structures for supercapacitor applications. <i>Journal of Materials Chemistry A</i> , 2013, 1, 4904.	5.2	22
538	Glass forming ability, thermal stability, crystallization and magnetic properties of [(Fe,Co,Ni) _{0.75} Si _{0.05} B _{0.20}] ₉₅ Nb ₄ Zr ₁ metallic glasses. <i>Journal of Non-Crystalline Solids</i> , 2013, 367, 30-36.	1.5	14
539	Strong correlation of atomic thermal motion in the first coordination shell of a Cu-Zr metallic glass. <i>Applied Physics Letters</i> , 2013, 102, 081901.	1.5	8
540	Predicted glass-forming ability of Cu-Zr-Co alloys and their crystallization behavior. <i>Journal of Applied Physics</i> , 2013, 113, 123505.	1.1	10

#	ARTICLE	IF	CITATIONS
541	Aqueous Solution Process for the Synthesis and Assembly of Nanostructured One-Dimensional $\text{Li}^{\pm}\text{-MoO}_3$ Electrode Materials. <i>Chemistry of Materials</i> , 2013, 25, 2557-2563.	3.2	53
542	Mechanically driven phase transformation in single phase $\text{Al}_{62.5}\text{Cu}_{25}\text{Fe}_{12.5}$ quasi-crystals: Effect of milling intensity. <i>Acta Materialia</i> , 2013, 61, 3819-3830.	3.8	14
543	Origin of Intermittent Plastic Flow and Instability of Shear Band Sliding in Bulk Metallic Glasses. <i>Physical Review Letters</i> , 2013, 110, 225501.	2.9	72
544	Hydrothermal carbon-based nanostructured hollow spheres as electrode materials for high-power lithium-sulfur batteries. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 6080.	1.3	167
545	Local atomic arrangements and their topology in Ni-Zr and Cu-Zr glassy and crystalline alloys. <i>Acta Materialia</i> , 2013, 61, 2509-2520.	3.8	83
546	Phase separation in metallic glasses. <i>Progress in Materials Science</i> , 2013, 58, 1103-1172.	16.0	209
547	Enhancement of oxidation resistance of the supercooled liquid in Cu-Zr -based metallic glass by forming an amorphous oxide layer with high thermal stability. <i>Corrosion Science</i> , 2013, 66, 1-4.	3.0	45
548	Ti-Cu-Ni shape memory bulk metallic glass composites. <i>Acta Materialia</i> , 2013, 61, 151-162.	3.8	84
549	Thermal stability and mechanical properties of $\text{Cu}_{46}\text{Zr}_{46}\text{Ag}_8$ bulk metallic glass and its composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 559, 711-718.	2.6	28
550	New $(\text{Fe}_{0.9}\text{Ni}_{0.1})_{77}\text{Mo}_5\text{P}_9\text{C}_7.5\text{B}_{1.5}$ glassy alloys with enhanced glass-forming ability and large compressive strain. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 560, 575-582.	2.6	31
551	Designing biocompatible Ti-based metallic glasses for implant applications. <i>Materials Science and Engineering C</i> , 2013, 33, 875-883.	3.8	178
552	Advances in <i>in situ</i> powder diffraction of battery materials: a case study of the new beamline P02.1 at DESY, Hamburg. <i>Journal of Applied Crystallography</i> , 2013, 46, 1117-1127.	1.9	57
553	Synthesis of nanostructured AlN by solid state reaction of Al and diaminomaleonitrile. <i>Journal of Solid State Chemistry</i> , 2013, 198, 542-547.	1.4	15
554	New Lithium Copper Borates with BO_3 Triangles: $\text{Li}_6\text{CuB}_4\text{O}_{10}$, $\text{Li}_3\text{CuB}_3\text{O}_7$, $\text{Li}_8\text{Cu}_7\text{B}_{14}\text{O}_{32}$, and $\text{Li}_2\text{Cu}_9\text{B}_{12}\text{O}_{28}$. <i>Inorganic Chemistry</i> , 2013, 52, 13974-13983.	1.9	9
555	Polymeric Frameworks as Organic Semiconductors with Controlled Electronic Properties. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 2977-2981.	2.1	34
556	Phase separation in ternary Co-Gd-Ti liquids. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 245104.	0.7	6
557	Production of customized hybrid porous structures by powder metallurgy of $\text{Ni}_{59}\text{Zr}_{20}\text{Ti}_{16}\text{Si}_2\text{Sn}_3$ glassy powders. <i>Journal of Materials Research</i> , 2013, 28, 2490-2498.	1.2	4
558	Thermal stability and phase transformations of martensitic Ti-Nb alloys. <i>Science and Technology of Advanced Materials</i> , 2013, 14, 055004.	2.8	107

#	ARTICLE	IF	CITATIONS
559	Production of Porous β -Type Ti-40Nb Alloy for Biomedical Applications: Comparison of Selective Laser Melting and Hot Pressing. <i>Materials</i> , 2013, 6, 5700-5712.	1.3	77
560	Elastic and anelastic properties close to the Curie temperature of Fe-based bulk metallic glass. <i>Applied Physics Letters</i> , 2013, 102, 041904.	1.5	11
561	Tensile fracture dynamics and intrinsic plasticity of metallic glasses. <i>Applied Physics Letters</i> , 2013, 102, 031908.	1.5	7
562	Local temperature determination in power loaded surface acoustic wave structures using Raman spectroscopy. <i>Journal of Applied Physics</i> , 2013, 114, 164317.	1.1	6
563	Investigation of Copper-Cobalt-Oxides as Model Systems for Composite Interactions in Conversion-Type Electrodes for Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2013, 160, A1333-A1339.	1.3	13
564	Roles of hydrogenation, annealing and field in the structure and magnetic entropy change of Tb-based bulk metallic glasses. <i>AIP Advances</i> , 2013, 3, .	0.6	20
565	Electrochemical Deposition of Co(Cu)/Cu Multilayered Nanowires. <i>Journal of the Electrochemical Society</i> , 2013, 160, D13-D19.	1.3	15
566	Thickness dependent exchange bias in martensitic epitaxial Ni-Mn-Sn thin films. <i>AIP Advances</i> , 2013, 3, .	0.6	17
567	High-mobility graphene on liquid p-block elements by ultra-low-loss CVD growth. <i>Scientific Reports</i> , 2013, 3, 2670.	1.6	75
568	Grain size softening effect in Al _{62.5} Cu ₂₅ Fe _{12.5} nanoquasicrystals. <i>Applied Physics Letters</i> , 2013, 103, 201914.	1.5	12
569	Production and characterization of Al 2024 matrix composites reinforced with β -Al ₃ Mg ₂ complex metallic alloy particles. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1517, 1.	0.1	2
570	Correlation between the microstructures and the deformation mechanisms of CuZr-based bulk metallic glass composites. <i>AIP Advances</i> , 2013, 3, .	0.6	48
571	Amorphous Li-Al-Based Compounds: A Novel Approach for Designing High Performance Electrode Materials for Li-Ion Batteries. <i>Inorganics</i> , 2013, 1, 14-31.	1.2	5
572	Synthesis and Characterization of Nanocrystalline Mg-7.4%Al Powders Produced by Mechanical Alloying. <i>Metals</i> , 2013, 3, 58-68.	1.0	22
573	Processing of Intermetallic Titanium Aluminide Wires. <i>Metals</i> , 2013, 3, 188-201.	1.0	15
574	Metallographic Preparation of Aluminium-Titanium Composites. <i>Praktische Metallographie/Practical Metallography</i> , 2013, 50, 739-753.	0.1	8
575	Correlation Between Internal States and Strength in Bulk Metallic Glass. , 2013, , 3199-3206.		0
576	Structural and Mechanical Characterization of Zr _{58.5} Ti _{8.2} Cu _{14.2} Ni _{11.4} Al _{7.7} Bulk Metallic Glass. <i>Materials</i> , 2012, 5, 1-11.	1.3	10

#	ARTICLE	IF	CITATIONS
577	Correlation between glass-forming ability, thermal stability, and crystallization kinetics of Cu-Zr-Ag metallic glasses. <i>Journal of Applied Physics</i> , 2012, 112, .	1.1	39
578	The Effect of Microstructural Changes Induced by Annealing on Mechanical Properties of FeCoCrMoCBY Bulk Glassy Alloy. <i>Advanced Materials Research</i> , 2012, 488-489, 861-865.	0.3	1
579	The precipitation of nanocrystalline structure in the joule heated Fe ₇₂ Al ₅ Ga ₂ P ₁₁ C ₆ B ₄ metallic glasses. <i>Journal of Mining and Metallurgy, Section B: Metallurgy</i> , 2012, 48, 319-324.	0.3	4
580	Design of ductile bulk metallic glasses by adding "atoms. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	60
581	Stable fracture of a malleable Zr-based bulk metallic glass. <i>Journal of Applied Physics</i> , 2012, 112, .	1.1	33
582	Effect of tungsten metal particle sizes on the solubility of molten alloy melt: Experimental observation of Gibbs-Thomson effect in nanocomposites. <i>Applied Physics Letters</i> , 2012, 101, 124103.	1.5	4
583	Mechanism of the giant irreversible positive magnetic entropy change in a Tb-based bulk metallic glass. <i>Applied Physics Letters</i> , 2012, 101, 062411.	1.5	4
584	Pronounced ductility in CuZrAl ternary bulk metallic glass composites with optimized microstructure through melt adjustment. <i>AIP Advances</i> , 2012, 2, 032176.	0.6	35
585	Locally fluctuating cooling rate as possible reason for non-crystalline plasticity in metallic glasses. <i>Europhysics Letters</i> , 2012, 98, 16003.	0.7	8
586	Synthesis of functional porous metallic material from metallic glass composites precursor by powder metallurgy route. <i>Revue De Metallurgie</i> , 2012, 109, 11-16.	0.3	2
587	Micropatterning of Fe-based bulk metallic glass surfaces by pulsed electrochemical micromachining. <i>Journal of Materials Research</i> , 2012, 27, 3033-3040.	1.2	12
588	Oxidation resistance of the supercooled liquid in Cu ₅₀ Zr ₅₀ and Cu ₄₆ Zr ₄₆ Al ₈ metallic glasses. <i>Journal of Materials Research</i> , 2012, 27, 1178-1186.	1.2	31
589	Mechanical behavior of the cold-rolled Zr ₅₇ Ti ₈ Nb _{2.5} Cu _{13.9} Ni _{11.1} Al _{7.5} metallic glass "quasicrystalline composite. <i>International Journal of Materials Research</i> , 2012, 103, 1113-1116.	0.1	2
590	Modeling the strengthening effect of Al "Cu "Fe quasicrystalline particles in Al-based metal matrix composites. <i>Journal of Alloys and Compounds</i> , 2012, 536, S130-S133.	2.8	57
591	A Comparative Study of Various Supported Catalysts on the Growth of Aligned Carbon Nanotube Forests on Aluminum Foils. <i>Chemical Vapor Deposition</i> , 2012, 18, 326-335.	1.4	8
592	Phase separation in monotectic alloys as a route for liquid state fabrication of composite materials. <i>Journal of Materials Science</i> , 2012, 47, 8360-8366.	1.7	26
593	Sessile drop study of Gd "Ti monotectic alloys on ceramic substrates: phase transformations, wetting, and reactivity. <i>Journal of Materials Science</i> , 2012, 47, 8381-8386.	1.7	5
594	Study of structural anisotropy in Cu ₅₀ Zr ₄₅ Al ₅ metallic glass under uniaxial compression by molecular dynamics simulations. <i>Intermetallics</i> , 2012, 30, 154-157.	1.8	7

#	ARTICLE	IF	CITATIONS
595	Formation of Cu–Zr–Al–Er bulk metallic glass composites with enhanced deformability. <i>Intermetallics</i> , 2012, 30, 132-138.	1.8	35
596	Irreversible and reversible magnetic entropy change in a Dy-based bulk metallic glass. <i>Intermetallics</i> , 2012, 30, 76-79.	1.8	15
597	Influence of viscous flow on the deformation behavior of bulk metallic glassy alloys in supercooled liquid region. <i>Intermetallics</i> , 2012, 30, 72-75.	1.8	2
598	Theoretical approach to local and effective properties of BMG based matrix-inclusion nanocomposites. <i>Intermetallics</i> , 2012, 30, 40-47.	1.8	8
599	Internal state modulation-mediated plasticity enhancement in monolithic Ti-based bulk metallic glass. <i>Intermetallics</i> , 2012, 29, 70-74.	1.8	21
600	Formation of Zr–Co–Al bulk metallic glasses with high strength and large plasticity. <i>Intermetallics</i> , 2012, 31, 282-286.	1.8	44
601	Enhanced plasticity of Fe–Nb–B–(Ni, Cu) bulk metallic glasses by controlling the heterogeneity and elastic constants. <i>Journal of Alloys and Compounds</i> , 2012, 536, S70-S73.	2.8	13
602	Effect of particle dispersion on the mechanical behavior of Al-based metal matrix composites reinforced with nanocrystalline Al–Ca intermetallics. <i>Journal of Alloys and Compounds</i> , 2012, 536, S134-S137.	2.8	31
603	Effect of short-term tempering on microstructure and mechanical properties of high-strength FeCrMoVC. <i>Acta Materialia</i> , 2012, 60, 4468-4476.	3.8	30
604	On the formation of an ultrafine-duplex structure facilitated by severe shear deformation in a Ti–20Mo β -type titanium alloy. <i>Acta Materialia</i> , 2012, 60, 5067-5078.	3.8	36
605	Microstructure and magnetic properties of Gd–Hf–Co–Al phase separated metallic glasses. <i>Intermetallics</i> , 2012, 20, 115-122.	1.8	15
606	Understanding the relationship between atomic structures and transport properties in (Cu _{0.5} Zr _{0.5}) _{100-x} Al _x (x%10) glass forming liquids: Molecular dynamics simulations. <i>Journal of Alloys and Compounds</i> , 2012, 514, 141-149.	2.8	46
607	Phase-field modeling of eutectic Ti–Fe alloy solidification. <i>Computational Materials Science</i> , 2012, 63, 319-328.	1.4	5
608	Triple yielding and deformation mechanisms in metastable Cu _{47.5} Zr _{47.5} Al ₅ composites. <i>Acta Materialia</i> , 2012, 60, 6000-6012.	3.8	133
609	Experimental and thermodynamic assessment of the Gd–Zr system. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2012, 39, 27-32.	0.7	14
610	Sputter crater formation in the case of microsecond pulsed glow discharge in a Grimm-type source. Comparison of direct current and radio frequency modes. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2012, 76, 181-189.	1.5	19
611	Nanostructured β -phase Ti–31.0Fe–9.0Sn and sub- $\frac{1}{4}$ μ m structured Ti–39.3Nb–13.3Zr–10.7Ta alloys for biomedical applications: Microstructure benefits on the mechanical and corrosion performances. <i>Materials Science and Engineering C</i> , 2012, 32, 2418-2425.	3.8	90
612	Structural investigations of Ge ₅ As _x Se _{95-x} and Ge ₁₅ As _x Se _{85-x} glasses using x-ray diffraction and extended x-ray fine structure spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 385802.	0.7	13

#	ARTICLE	IF	CITATIONS
613	Study of direct relationship between atomic structures and glass forming abilities of Cu _{100-x} Zr _x (0 ≤ x ≤ 10) liquids by molecular dynamics simulations. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	27
614	Magnetocaloric effect of an Fe-based metallic glass compared to benchmark gadolinium. <i>Journal of Applied Physics</i> , 2012, 112, .	1.1	23
615	Production and Characterization of Brass-matrix Composites Reinforced with Ni ₅₉ Zr ₂₀ Ti ₁₆ Si ₂ Sn ₃ Glassy Particles. <i>Metals</i> , 2012, 2, 79-94.	1.0	30
616	An Energy Storage Principle using Bipolar Porous Polymeric Frameworks. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7850-7854.	7.2	177
617	Designing Zr-Cu-Co-Al Bulk Metallic Glasses with Phase Separation Mediated Plasticity. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012, 43, 2598-2603.	1.1	31
618	Atomic packing and short to medium range order in a U-Fe metallic glass. <i>Applied Physics Letters</i> , 2012, 101, 021909.	1.5	3
619	Effect of Cobalt on Phase Formation, Microstructure, and Mechanical Properties of Cu ₅₀ ~ _x Co _x Zr ₅₀ (x = 2, 5, 10, 20 at.%) Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012, 43, 2631-2636.	1.1	15
620	Improving the Mechanical Properties of Fe-Nb-(Ni-Mn) Dendrite-Ultrafine Eutectic Composites via Controlling the Primary Phase Features. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012, 43, 2680-2686.	1.1	7
621	Thermal behaviour of Pd ₄₀ Cu ₃₀ Ni ₁₀ P ₂₀ bulk metallic glass. <i>Acta Materialia</i> , 2012, 60, 517-524.	3.8	56
622	First-principles study of the thermodynamic and elastic properties of eutectic Fe~Ti alloys. <i>Acta Materialia</i> , 2012, 60, 1594-1602.	3.8	36
623	Interactions between mechanically generated defects and corrosion phenomena of Zr-based bulk metallic glasses. <i>Acta Materialia</i> , 2012, 60, 2300-2309.	3.8	42
624	Structural and magnetic nanoclusters in Cu ₅₀ Zr ₅₀ ~ _x Gdx (x=5at.%) metallic glasses. <i>Acta Materialia</i> , 2012, 60, 1946-1956.	3.8	19
625	Correlation between elastic structural behavior and yield strength of metallic glasses. <i>Acta Materialia</i> , 2012, 60, 3074-3083.	3.8	48
626	Serrated flow and stick~slip deformation dynamics in the presence of shear-band interactions for a Zr-based metallic glass. <i>Acta Materialia</i> , 2012, 60, 4160-4171.	3.8	193
627	Study on the reversible Li-insertion of amorphous and partially crystalline Al ₈₆ Ni ₈ La ₆ and Al ₈₆ Ni ₈ Y ₆ alloys as anode materials for Li-ion batteries. <i>Electrochimica Acta</i> , 2012, 60, 85-94.	2.6	14
628	Microstructure and magnetic properties of amorphous/nanocrystalline Co ₄₀ Fe ₂₂ Ta ₈ B ₃₀ alloy produced by mechanical alloying. <i>Materials Chemistry and Physics</i> , 2012, 134, 1214-1224.	2.0	54
629	Phase transitions in Al ₃ Ca ₈ and Al ₁₄ Ca ₁₃ intermetallic compounds induced by milling and annealing. <i>Materials Letters</i> , 2012, 79, 145-147.	1.3	4
630	Elastic constants of single crystalline β -Ti ₇₀ Nb ₃₀ . <i>Scripta Materialia</i> , 2012, 66, 198-201.	2.6	47

#	ARTICLE	IF	CITATIONS
631	Metallic glasses: Notch-insensitive materials. Scripta Materialia, 2012, 66, 733-736.	2.6	73
632	Phase separation and magnetic properties in Gd ¹⁰⁰ (Hf,Ti,Y) ¹⁰⁰ Co ¹⁰⁰ Al metallic glasses. Scripta Materialia, 2012, 67, 149-152.	2.6	10
633	In situ martensitic phase reinforced Fe ¹⁰⁰ Nb ¹⁰⁰ Ni ¹⁰⁰ Mn ultrafine composite with enhanced mechanical properties. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 531, 51-54.	2.6	11
634	Macroscopic tensile plasticity of bulk metallic glass through designed artificial defects. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 534, 365-373.	2.6	83
635	Effect of Fe addition on glass forming ability and mechanical properties in Zr ¹⁰⁰ Co ¹⁰⁰ Al ¹⁰⁰ (Fe) bulk metallic glasses. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 539, 124-127.	2.6	30
636	Magnetic properties and magnetocaloric effect of rapidly quenched Gd ¹⁰⁰ Co ¹⁰⁰ Fe ¹⁰⁰ Al alloys. Journal of Magnetism and Magnetic Materials, 2012, 324, 1581-1587.	1.0	10
637	Caloric Effects in Ferroic Materials: New Concepts for Cooling. Advanced Engineering Materials, 2012, 14, 10-19.	1.6	278
638	Novel Approach for Alternating Current (AC)-Driven Organic Light-Emitting Devices. Advanced Functional Materials, 2012, 22, 210-217.	7.8	76
639	Microstructural and mechanical characterization of an ultra-high-strength Fe _{86.7} Cr _{4.4} Mo _{0.6} V _{1.1} W _{2.5} C _{4.7} alloy. Journal of Materials Science, 2012, 47, 267-271.	1.7	19
640	Solidification and melting of high temperature materials: in situ observations by synchrotron radiation. Journal of Materials Science, 2012, 47, 4497-4513.	1.7	22
641	Prof. Dr. rer. nat. Ludwig Schultz. International Journal of Materials Research, 2012, 103, 648-649.	0.1	0
642	Electrical properties of the Ar^+ pulsed glow discharge in a Grimm-type source: comparison of dc and rf modes. Journal of Analytical Atomic Spectrometry, 2011, 26, 784-791.	1.6	18
643	Rapid growth and formation mechanism of ultrafine structural oxide eutectic ceramics by laser direct forming. Applied Physics Letters, 2011, 99, 221913.	1.5	36
644	Study of the Conversion Reaction Mechanism for Copper Borate as Electrode Material in Lithium-Ion Batteries. Journal of the Electrochemical Society, 2011, 158, A898.	1.3	17
645	Evolution of constitution, structure, and mechanical properties in Fe ¹⁰⁰ Ti ¹⁰⁰ Zr ¹⁰⁰ B heterogeneous multiphase composites. Journal of Materials Research, 2011, 26, 365-371.	1.2	17
646	Epitaxial Electrodeposition of Fe ₃ O ₄ on Single-Crystal Ni(111). Chemistry of Materials, 2011, 23, 2017-2019.	3.2	14
647	Computer simulation of the matrix-inclusion interphase in bulk metallic glass based nanocomposites. Journal of Physics Condensed Matter, 2011, 23, 425403.	0.7	9
648	Thermal stability and magnetic properties of partially Co-substituted (Fe _{71.2} B ₂₄ Y _{4.8}) ₉₆ Nb ₄ bulk metallic glasses. Journal of Applied Physics, 2011, 109, .	1.1	22

#	ARTICLE	IF	CITATIONS
649	Atomic structure and transport properties of Cu ₅₀ Zr ₄₅ Al ₅ metallic liquids and glasses: Molecular dynamics simulations. Journal of Applied Physics, 2011, 110, .	1.1	56
650	Phase separation in Cu ₄₆ Zr _{47-x} Al ₇ Gdx metallic glasses. Journal of Alloys and Compounds, 2011, 509, S23-S26.	2.8	25
651	Microstructure and mechanical properties of Fe-Si-Ti-(Cu, Al) heterostructured ultrafine composites. Journal of Alloys and Compounds, 2011, 509, S367-S370.	2.8	5
652	Molecular dynamic simulation study of the structural anisotropy in Cu ₅₀ Zr ₅₀ and Cu _{64.5} Zr _{35.5} metallic glasses induced by static uniaxial loading within the elastic regime. Journal of Alloys and Compounds, 2011, 509, S74-S77.	2.8	6
653	Predicting glass-forming compositions in the Al-La and Al-La-Ni systems. Journal of Alloys and Compounds, 2011, 509, S170-S174.	2.8	6
654	Phase separation and microstructure evolution of rapidly quenched Gd-Hf-Co-Al alloys. Journal of Alloys and Compounds, 2011, 509, S42-S45.	2.8	18
655	Effect of cold rolling on compressive and tensile mechanical properties of Zr _{52.5} Ti ₅ Cu ₁₈ Ni _{14.5} Al ₁₀ bulk metallic glass. Journal of Alloys and Compounds, 2011, 509, S128-S130.	2.8	56
656	Microstructures and magnetic properties of carbon nanotube/Co-oxide nanocomposite powders. Journal of Alloys and Compounds, 2011, 509, S412-S415.	2.8	5
657	Role of crystalline precipitates on the mechanical properties of (Cu _{0.50} Zr _{0.50}) _{100-x} Al _x (x=4, 5, 7) bulk metallic glasses. Journal of Alloys and Compounds, 2011, 509, S99-S104.	2.8	22
658	Martensitic transformation and thermal cycling effect in Cu-Co-Zr alloys. Journal of Alloys and Compounds, 2011, 509, S334-S337.	2.8	29
659	Grain and crystallite size evaluation of cryomilled pure copper. Journal of Alloys and Compounds, 2011, 509, S343-S347.	2.8	33
660	Anisotropic mechanical behavior of ultrafine eutectic TiFe cast under non-equilibrium conditions. Intermetallics, 2011, 19, 327-335.	1.8	27
661	Study of mechanical property and crystallization of a ZrCoAl bulk metallic glass. Intermetallics, 2011, 19, 567-571.	1.8	57
662	Atomic cluster arrangements in Reverse Monte Carlo and Molecular Dynamics structural models of binary Cu-Zr Metallic Glasses. Intermetallics, 2011, 19, 657-661.	1.8	19
663	Significant tensile ductility induced by cold rolling in Cu _{47.5} Zr _{47.5} Al ₅ bulk metallic glass. Intermetallics, 2011, 19, 1394-1398.	1.8	83
664	Combined in-situ SAXS/WAXS and HRTEM study on crystallization of (Cu ₆₀ Co ₄₀) _{1-x} Zr _x metallic glasses. Journal of Non-Crystalline Solids, 2011, 357, 1538-1546.	1.5	7
665	Structural study of As ₂ -Ag glasses over a wide concentration range. Journal of Non-Crystalline Solids, 2011, 357, 3430-3434.	1.5	14
666	Crystallization of Fe ₈₂ Si ₂ B ₁₆ and Fe ₈₂ Si ₄ B ₁₄ metallic glasses upon isothermal and non-isothermal annealing. EPJ Web of Conferences, 2011, 15, 01008.	0.1	2

#	ARTICLE	IF	CITATIONS
667	Ti-Al Composite Wires with High Specific Strength. <i>Metals</i> , 2011, 1, 79-97.	1.0	18
668	Tensile fracture criterion of metallic glass. <i>Journal of Applied Physics</i> , 2011, 109, .	1.1	65
669	Dynamics of serrated flow in a bulk metallic glass. <i>AIP Advances</i> , 2011, 1, .	0.6	66
670	Coupling effect of primary voids and secondary voids on the ductile fracture of heat-treatable aluminum alloys. <i>Mechanics of Materials</i> , 2011, 43, 556-566.	1.7	20
671	Effect of stacking fault energy on deformation behavior of cryo-rolled copper and copper alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 529, 230-236.	2.6	88
672	Influence of embedded-carbon nanotubes on the thermal properties of copper matrix nanocomposites processed by molecular-level mixing. <i>Scripta Materialia</i> , 2011, 64, 181-184.	2.6	86
673	Manufacture by selective laser melting and mechanical behavior of a biomedical Ti-24Nb-4Zr-8Sn alloy. <i>Scripta Materialia</i> , 2011, 65, 21-24.	2.6	482
674	Ductile bulk metallic glasses produced through designed heterogeneities. <i>Scripta Materialia</i> , 2011, 65, 815-818.	2.6	76
675	Prediction of good glass formers in the Al-Ni-La and Al-Ni-Gd systems using topological instability and electronegativity. <i>Journal of Applied Physics</i> , 2011, 109, .	1.1	11
676	Methodological challenges in combining quantum-mechanical and continuum approaches for materials science applications. <i>European Physical Journal Plus</i> , 2011, 126, 1.	1.2	22
677	Strategy for pinpointing the formation of B2 CuZr in metastable CuZr-based shape memory alloys. <i>Acta Materialia</i> , 2011, 59, 6620-6630.	3.8	131
678	Interfacial tension, wetting and nucleation in Al-Bi and Al-Pb monotectic alloys. <i>Acta Materialia</i> , 2011, 59, 6880-6889.	3.8	76
679	Severe deformation twinning in pure copper by cryogenic wire drawing. <i>Acta Materialia</i> , 2011, 59, 7816-7823.	3.8	39
680	Deformation induced structural evolution in bulk metallic glasses. <i>Science Bulletin</i> , 2011, 56, 3952-3959.	1.7	4
681	Ductile Ti-Based Bulk Metallic Glasses with High Specific Strength. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2011, 42, 1456-1462.	1.1	36
682	[(Fe _{0.5} Co _{0.5}) _{0.75} B _{0.20} Si _{0.05}] ₉₆ Nb ₄ Metallic Glasses with Small Cu Additions. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2011, 42, 1476-1480.	1.1	16
683	AlNiYCo Amorphous Matrix Composites Induced by Bismuth and Lead Additions. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2011, 42, 4100-4105.	1.1	7
684	Influence of Superheat on Microstructure and Mechanical Properties of Ductile Cu _{47.5} Zr _{47.5} Al ₅ Bulk Metallic Glass-Matrix Composite. <i>Journal of Materials Engineering and Performance</i> , 2011, 20, 1196-1205.	1.2	6

#	ARTICLE	IF	CITATIONS
685	Transformation-induced plasticity in rapidly solidified Fe _{88.9} Cr _{4.3} V _{2.2} C _{4.6} . Steel Research International, 2011, 82, 51-55.	1.0	8
686	Improved Synthesis of Bulk Metallic Glasses by Current-Assisted Copper Mold Casting. Advanced Engineering Materials, 2011, 13, 38-42.	1.6	5
687	Intrinsically Ductile Failure in a Nanocrystalline Beta Titanium Alloy. Advanced Engineering Materials, 2011, 13, 1108-1113.	1.6	3
688	Current-Induced Mass Transport in Filled Multiwalled Carbon Nanotubes. Advanced Materials, 2011, 23, 541-544.	11.1	23
689	Towards Ultrastrong Glasses. Advanced Materials, 2011, 23, 4578-4586.	11.1	314
690	Effect of uniaxial loading on the structural anisotropy and the dynamics of atoms of Cu ₅₀ Zr ₅₀ metallic glasses within the elastic regime studied by molecular dynamics simulation. Acta Materialia, 2011, 59, 4303-4313.	3.8	29
691	Microstructure and stress in high-k HfO thin films. Microelectronic Engineering, 2011, 88, 561-563.	1.1	4
692	Influence of sample geometry on determination of magnetocaloric effect for Gd ₆₀ Co ₃₀ Al ₁₀ glassy ribbons using direct and indirect methods. Journal of Magnetism and Magnetic Materials, 2011, 323, 1782-1786.	1.0	25
693	New real ternary and pseudoternary phases in the Au-In system. Journal of Solid State Chemistry, 2011, 184, 1328-1332.	1.4	13
694	Effect of Al and Ag addition on phase formation, thermal stability, and mechanical properties of Cu-Zr-based bulk metallic glasses. Journal of Materials Research, 2011, 26, 1702-1710.	1.2	9
695	Correlation between internal states and plasticity in bulk metallic glass. Applied Physics Letters, 2011, 98, .	1.5	56
696	Fabrication and Response of Al ₇₀ Y ₁₆ Ni ₁₀ Co ₄ Glass Reinforced Metal Matrix Composites. Materials and Manufacturing Processes, 2011, 26, 1242-1247.	2.7	26
697	Nanocrystalline metals and alloys prepared by mechanical attrition. , 2011, , 59-84.		1
698	EFFECT OF COPPER ADDITIVES ON IRREVERSIBLE MELTING IN [(Fe _{0.5} Co _{0.5}) _{0.75} B _{0.2} Si _{0.05}] ₉₆ Nb ₄] _{100-x} Cu _x , x = 3, ALLOYS. International Journal of Nanoscience, 2011, 10, 1013-1017.	0.4	1
699	The influence of in situ formed precipitates on the plasticity of Fe-Nb-B-Cu bulk metallic glasses. Journal of Materials Research, 2011, 26, 2080-2086.	1.2	12
700	Strain-induced structural transformation of single-phase Al-Cu-Fe icosahedral quasicrystal during mechanical milling. Philosophical Magazine, 2011, 91, 2482-2490.	0.7	23
701	Replacement of oxide glass with metallic glass for Ag screen printing metallization on Si emitter. Applied Physics Letters, 2011, 98, 222112.	1.5	17
702	Non-Isothermal Kinetic Analysis of the Crystallization of Metallic Glasses Using the Master Curve Method. Materials, 2011, 4, 2231-2243.	1.3	32

#	ARTICLE	IF	CITATIONS
703	Magnetic ordering and slow dynamics in a Ho-based bulk metallic glass with moderate random magnetic anisotropy. <i>Journal of Applied Physics</i> , 2011, 109, 113904.	1.1	7
704	Effect of crystallization on the surface area of porous Ni-based metallic glass foams. <i>Philosophical Magazine Letters</i> , 2011, 91, 582-590.	0.5	7
705	Production of high-strength Al ₈₅ Y ₈ Ni ₅ Co ₂ bulk alloy by spark plasma sintering. <i>Journal of Physics: Conference Series</i> , 2010, 240, 012155.	0.3	2
706	Al-based metal matrix composites reinforced with nanocrystalline Al-Ti-Ni particles. <i>Journal of Physics: Conference Series</i> , 2010, 240, 012154.	0.3	8
707	Mechanical Engineering Properties of CMA's. , 2010, , 273-315.		4
708	Effect of Carbon Addition on the Microstructural Evolution and Mechanical Properties in Hypo-Eutectic Fe-Zr(-Nb) Alloys. <i>Materials Transactions</i> , 2010, 51, 799-802.	0.4	5
709	Criteria for tensile plasticity in Cu-Zr-Al bulk metallic glasses. <i>Acta Materialia</i> , 2010, 58, 4883-4890.	3.8	76
710	Influence of the anode material on the characteristics of an analytical glow discharge cell. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2010, 65, 311-315.	1.5	9
711	Microstructure and mechanical properties of partially amorphous Al ₈₅ Y ₈ Ni ₅ Co ₂ plate produced by spray forming. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 2747-2758.	2.6	16
712	Structure-property relations in bulk metallic Cu-Zr-Al alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 5867-5872.	2.6	31
713	Deformation-induced grain refinement in body-centered cubic Co-Fe alloys upon room temperature compression. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 5796-5800.	2.6	13
714	Enhanced π - π interactions between a C ₆₀ fullerene and a buckle bend on a double-walled carbon nanotube. <i>Nano Research</i> , 2010, 3, 92-97.	5.8	16
715	Mechanical response of metallic glasses: Insights from in-situ high energy X-ray diffraction. <i>Jom</i> , 2010, 62, 76-82.	0.9	17
716	Evolution of Constitution, Structure, and Morphology in FeCo-Based Multicomponent Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2010, 41, 1640-1645.	1.1	3
717	Deformation mechanisms of a bimodal eutectic Mg ₇₂ Cu ₅ Zn ₂₃ ultrafine composite. <i>Materials Letters</i> , 2010, 64, 534-536.	1.3	2
718	Effect of shot-peening on the corrosion resistance of a Zr-based bulk metallic glass. <i>Scripta Materialia</i> , 2010, 62, 635-638.	2.6	26
719	Improved plasticity of bulk metallic glasses upon cold rolling. <i>Scripta Materialia</i> , 2010, 62, 678-681.	2.6	128
720	Enhanced plastic deformation of Zr _{41.2} Ti _{13.8} Cu _{12.5} Ni ₁₀ Be _{22.5} bulk metallic glass by the optimization of frictional boundary restraints. <i>Scripta Materialia</i> , 2010, 62, 750-753.	2.6	25

#	ARTICLE	IF	CITATIONS
721	Plastically deformable Cu–Zr intermetallics. <i>Scripta Materialia</i> , 2010, 63, 336-338.	2.6	37
722	Solid Solution Sr ₂ Sc _{1+x} Re _{1-x} O ₆ with a Perovskite-Like Structure: Phase Transitions and Magnetic Properties. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 1196-1206.	1.0	1
723	Microstructural Modulations Enhance the Mechanical Properties in Al–Cu (Si, Ga) Ultrafine Composites. <i>Advanced Engineering Materials</i> , 2010, 12, 1137-1141.	1.6	14
724	Improved Room Temperature Plasticity of Zr _{41.2} Ti _{13.8} Cu _{12.5} Ni ₁₀ Be _{22.5} Bulk Metallic Glass by Channel Die Compression. <i>Advanced Engineering Materials</i> , 2010, 12, 1123-1126.	1.6	14
725	Damascene Light-Weight Metals. <i>Advanced Engineering Materials</i> , 2010, 12, 1191-1197.	1.6	10
726	Magnetocaloric effect in Gd-based Gd ₆₀ Fe _x Co _{30-x} Al ₁₀ metallic glasses. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 2298-2303.	1.0	47
727	TEM characterization of ALD layers in deep trenches using a dedicated FIB lamellae preparation method. <i>Thin Solid Films</i> , 2010, 518, 4553-4555.	0.8	9
728	Mechanical properties of cold-rolled Zr ₆₀ Ti ₅ Ag ₅ Cu _{12.5} Ni ₁₀ Al _{7.5} metallic glass. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2010, 207, 1118-1121.	0.8	21
729	FeCoBSiNb bulk metallic glasses with Cu additions. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2010, 7, 1331-1335.	0.8	6
730	Transformation-mediated ductility in CuZr-based bulk metallic glasses. <i>Nature Materials</i> , 2010, 9, 473-477.	13.3	454
731	Glass formation, thermal properties, and elastic constants of La–Al–Co alloys. <i>Journal of Materials Research</i> , 2010, 25, 1398-1404.	1.2	12
732	Effect of Residual Stress on Mechanical Property of Monolithic Bulk Metallic Glass. <i>Materials Science Forum</i> , 2010, 654-656, 1050-1053.	0.3	0
733	Transformation-induced plasticity in Fe–Cr–V–C. <i>Journal of Materials Research</i> , 2010, 25, 368-374.	1.2	16
734	Microstructure, thermal, and mechanical characterization of rapidly solidified high strength Fe _{84.3} Cr _{4.3} Mo _{4.6} V _{2.2} C _{4.6} . <i>Journal of Materials Research</i> , 2010, 25, 1164-1171.	1.2	7
735	Li(Al _{1-x} Zn _x) alloys as anode materials for rechargeable Li-ion batteries. <i>Journal of Materials Research</i> , 2010, 25, 1492-1499.	1.2	21
736	Tensile fracture morphologies of bulk metallic glass. <i>Journal of Applied Physics</i> , 2010, 108, .	1.1	53
737	Enhancement of plastic deformability in Fe–Ni–Nb–B bulk glassy alloys by controlling the Ni-to-Fe concentration ratio. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	51
738	Improving the plasticity of a high strength Fe–Si–Ti ultrafine composite by introduction of an immiscible element. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	26

#	ARTICLE	IF	CITATIONS
739	Giant irreversible positive to large reversible negative magnetic entropy change evolution in Tb-based bulk metallic glass. <i>Physical Review B</i> , 2010, 82, .	1.1	26
740	In situ observations of self-repairing single-walled carbon nanotubes. <i>Physical Review B</i> , 2010, 81, .	1.1	24
741	Enhanced gas adsorption property of hybrid nanopore-structured copper oxide synthesized from the carbon nanotube/copper composites. <i>Journal of Applied Physics</i> , 2010, 108, 064303.	1.1	3
742	Effect of Sn on microstructure and mechanical properties of Ti-Fe-(Sn) ultrafine eutectic composites. <i>Journal of Materials Research</i> , 2010, 25, 943-956.	1.2	22
743	Shear band evolution during large plastic deformation of brittle and ductile metallic glasses. <i>Philosophical Magazine Letters</i> , 2010, 90, 573-579.	0.5	8
744	Medium range ordering and its effect on plasticity of Fe-Mn-B-Y-Nb bulk metallic glass. <i>Philosophical Magazine</i> , 2010, 90, 2619-2633.	0.7	28
745	High-strength ultrafine-grained Ti-Fe-Sn alloys with a bimodal structure. <i>Journal of Physics: Conference Series</i> , 2010, 240, 012103.	0.3	5
746	FeCo-based multiphase composites with high strength and large plastic deformation. <i>Intermetallics</i> , 2010, 18, 134-139.	1.8	23
747	Tailoring of in situ Ti-based bulk glassy matrix composites with high mechanical performance. <i>Intermetallics</i> , 2010, 18, 1908-1911.	1.8	19
748	Effect of prestraining on the deformation and fracture behavior of Zr ₄₄ Ti ₁₁ Cu _{9.8} Ni _{10.2} Be ₂₅ . <i>Intermetallics</i> , 2010, 18, 1902-1907.	1.8	14
749	Phase separation in Ni ₇₀ Nb ₃₀ -Y glasses. <i>Intermetallics</i> , 2010, 18, 1842-1845.	1.8	6
750	Multi-phase Al-based ultrafine composite with multi-scale microstructure. <i>Intermetallics</i> , 2010, 18, 1829-1833.	1.8	48
751	Mechanical behavior of metallic glass reinforced nanostructured tungsten composites synthesized by spark plasma sintering. <i>Intermetallics</i> , 2010, 18, 2009-2013.	1.8	9
752	Phase separation in Ni-Nb-Y metallic glasses. <i>Journal of Alloys and Compounds</i> , 2010, 495, 299-304.	2.8	33
753	Crystallization behavior and consolidation of gas-atomized Al ₈₄ Gd ₆ Ni ₇ Co ₃ glassy powder. <i>Journal of Alloys and Compounds</i> , 2010, 491, 137-142.	2.8	50
754	Mechanical properties of rapidly solidified Fe-Al-B ternary alloys. <i>Journal of Alloys and Compounds</i> , 2010, 504, S472-S475.	2.8	5
755	Structure and mechanical properties of Al-Mg alloys produced by copper mold casting. <i>Journal of Alloys and Compounds</i> , 2010, 504, S483-S486.	2.8	11
756	Thermal stability and magnetic properties of FeCoBSiNb bulk metallic glasses. <i>Journal of Alloys and Compounds</i> , 2010, 504, S123-S128.	2.8	48

#	ARTICLE	IF	CITATIONS
757	Corrosion and pitting behaviour of ultrafine eutectic Ti-Fe-Sn alloys. Journal of Alloys and Compounds, 2010, 503, 19-24.	2.8	12
758	Changes in short-range order of Zr ₅₅ Cu ₃₀ Al ₁₀ Ni ₅ and Zr ₅₅ Cu ₂₀ Al ₁₀ Ni ₁₀ Ti ₅ BMGs upon annealing. Journal of Alloys and Compounds, 2010, 506, 85-87.	2.8	18
759	Surface oxidation and magnetic properties of (Cu ₆₀ Co ₄₀) ₆₈ Zr ₃₂ glassy ribbons. Journal of Alloys and Compounds, 2010, 506, 520-525.	2.8	2
760	In situ observations of fullerene fusion and ejection in carbon nanotubes. Nanoscale, 2010, 2, 2077.	2.8	17
761	In situ high-energy x-ray diffraction observation of structural evolution in a Ti-based bulk metallic glass upon heating. Journal of Materials Research, 2010, 25, 2271-2277.	1.2	15
762	On the atomic structure of Zr ₆₀ Cu ₂₀ Fe ₂₀ metallic glass. Journal of Physics Condensed Matter, 2010, 22, 404208.	0.7	7
763	Topological and chemical ordering in $\langle \text{Co} \rangle_{1/3} \langle \text{Mn} \rangle_{2/3}$. Physical Review B, 2009, 79, .	1.1	243
764	Atomic structure evolution in bulk metallic glass under compressive stress. Applied Physics Letters, 2009, 95, .	1.5	21
765	Modeling deformation behavior of Cu-Zr-Al bulk metallic glass matrix composites. Applied Physics Letters, 2009, 95, .	1.5	77
766	Direct observations on the evolution of shear bands into cracks in metallic glass. Journal of Materials Research, 2009, 24, 3130-3135.	1.2	32
767	Solid-state processing of Al-Mg alloys. Journal of Physics: Conference Series, 2009, 144, 012019.	0.3	10
768	Fracture mechanism of some brittle metallic glasses. Journal of Applied Physics, 2009, 105, 103519.	1.1	32
769	Crack evolution in bulk metallic glasses. Journal of Applied Physics, 2009, 106, .	1.1	20
770	Enhanced Work Hardening of Cu-Based Bulk Metallic Glass Composites by <i>In Situ</i> Formed Nano-Scale Heterogeneities. Materials Science Forum, 2009, 633-634, 665-673.	0.3	2
771	High-strength Al ₈₇ Ni ₈ La ₅ bulk alloy produced by spark plasma sintering of gas atomized powders. Journal of Materials Research, 2009, 24, 2909-2916.	1.2	28
772	Serrated flow behavior induced by blunt mechanism of shear crack propagation in metallic glass. Journal of Materials Research, 2009, 24, 436-440.	1.2	2
773	Deformation-induced martensitic transformation in Cu-Zr-(Al,Ti) bulk metallic glass composites. Scripta Materialia, 2009, 60, 431-434.	2.6	166
774	Formation of an ultrafine-grained structure during equal-channel angular pressing of a β^2 -titanium alloy with low phase stability. Scripta Materialia, 2009, 60, 1012-1015.	2.6	64

#	ARTICLE	IF	CITATIONS
775	Crystallization kinetics of Zr ₆₅ Ag ₅ Cu _{12.5} Ni ₁₀ Al _{7.5} glassy powders produced by ball milling of pre-alloyed ingots. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009, 513-514, 279-285.	2.6	21
776	Formation of Nanocrystalline Matrix Composite during Spray Forming of Al ₈₃ La ₅ Y ₅ Ni ₅ Co ₂ . <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2009, 40, 450-461.	1.1	12
777	DC- and RF-GD-OES measurements of adsorbed organic monolayers on copper. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 395, 1893-1900.	1.9	9
778	Effect of crystalline phases on deformation and warm formability of a bulk metallic glass composite within supercooled liquid region. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009, 526, 62-68.	2.6	4
779	Spinodal decomposition of Ni–Nb–Y metallic glasses. <i>Acta Materialia</i> , 2009, 57, 903-908.	3.8	38
780	Mechanical properties of Al-based metal matrix composites reinforced with Zr-based glassy particles produced by powder metallurgy. <i>Acta Materialia</i> , 2009, 57, 2029-2039.	3.8	229
781	Structural evolution of Cu–Zr metallic glasses under tension. <i>Acta Materialia</i> , 2009, 57, 4133-4139.	3.8	75
782	Powder metallurgy of Al-based metal matrix composites reinforced with $\hat{1}^2$ -Al ₃ Mg ₂ intermetallic particles: Analysis and modeling of mechanical properties. <i>Acta Materialia</i> , 2009, 57, 4529-4538.	3.8	165
783	Microstructural heterogeneities governing the deformation of Cu _{47.5} Zr _{47.5} Al ₅ bulk metallic glass composites. <i>Acta Materialia</i> , 2009, 57, 5445-5453.	3.8	241
784	Deformation-induced microstructural heterogeneity in monolithic Zr ₄₄ Ti ₁₁ Cu _{9.8} Ni _{10.2} Be ₂₅ bulk metallic glass. <i>Physica Status Solidi - Rapid Research Letters</i> , 2009, 3, 46-48.	1.2	27
785	Crystallization and magnetic properties of [(Fe,Co) _{0.75} Si _{0.05} B _{0.20}] ₉₄ Nb ₆ metallic glasses. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 085006.	1.3	15
786	On the structural relaxation of bulk metallic glass under warm deformation. <i>Intermetallics</i> , 2009, 17, 222-226.	1.8	14
787	Thermomechanical characterization of Cu _{47.5} Zr _{47.5} Al ₅ bulk metallic glass within the homogeneous flow regime. <i>Intermetallics</i> , 2009, 17, 65-71.	1.8	20
788	Phase formation and thermal stability in Cu–Zr–Ti(Al) metallic glasses. <i>Intermetallics</i> , 2009, 17, 453-462.	1.8	76
789	Microstructure and mechanical properties of Laves phase-reinforced Fe–Zr–Cr alloys. <i>Intermetallics</i> , 2009, 17, 532-539.	1.8	39
790	Crystallization kinetics and magnetic properties of Fe ₆₆ Nb ₄ B ₃₀ bulk metallic glass. <i>Journal of Alloys and Compounds</i> , 2009, 483, 632-637.	2.8	53
791	Glass formation and mechanical properties of (Cu ₅₀ Zr ₅₀) _{100-x} Al _x (x=0, 4, 5, 7) bulk metallic glasses. <i>Journal of Alloys and Compounds</i> , 2009, 483, 146-149.	2.8	38
792	Consolidation and mechanical properties of ball milled Zr ₅₀ Cu ₅₀ glassy ribbons. <i>Journal of Alloys and Compounds</i> , 2009, 483, 227-230.	2.8	17

#	ARTICLE	IF	CITATIONS
793	Mechanical alloying and milling of Al-Mg alloys. Journal of Alloys and Compounds, 2009, 483, 2-7.	2.8	67
794	Correlation between Poisson ratio and Mohr-Coulomb coefficient in metallic glasses. Journal of Alloys and Compounds, 2009, 483, 125-131.	2.8	17
795	Designing bulk metallic glass and glass matrix composites in martensitic alloys. Journal of Alloys and Compounds, 2009, 483, 97-101.	2.8	47
796	Crystallization kinetics and consolidation of mechanically alloyed Al ₇₀ Y ₁₆ Ni ₁₀ Co ₄ glassy powders. Journal of Alloys and Compounds, 2009, 477, 171-177.	2.8	47
797	Hydrogenation of Zr-Cu-Al-Ni-Pd metallic glasses by electrochemical means. Journal of Alloys and Compounds, 2009, 480, 321-324.	2.8	11
798	Formation of nanostructured LaMg ₂ Ni by rapid quenching and intensive milling and its hydrogen reactivity. Journal of Alloys and Compounds, 2009, 481, 144-151.	2.8	11
799	Short-range order of Cu-Zr metallic glasses. Journal of Alloys and Compounds, 2009, 485, 163-169.	2.8	122
800	Role of heterogeneity on deformation behavior of bulk metallic glasses. Journal of Alloys and Compounds, 2009, 486, 233-236.	2.8	14
801	Synthesis and morphological stability in CrO ₂ single crystals of a half-metallic ferromagnetic compound. Journal of Physics: Conference Series, 2009, 144, 012110.	0.3	16
802	Effect of sample size on ductility of metallic glass. Philosophical Magazine Letters, 2009, 89, 178-184.	0.5	52
803	Work-hardening mechanisms of the Ti ₆₀ Cu ₁₄ Ni ₁₂ Sn ₄ Nb ₁₀ nanocomposite alloy. Journal of Materials Research, 2009, 24, 3146-3153.	1.2	12
804	Favorable microstructural modulation and enhancement of mechanical properties of Ti-Fe-Nb ultrafine composites. Philosophical Magazine Letters, 2009, 89, 623-632.	0.5	23
805	High-strength bulk Al-based bimodal ultrafine eutectic composite with enhanced plasticity. Journal of Materials Research, 2009, 24, 2605-2609.	1.2	98
806	Nanocrystalline body-centred cubic beta-titanium alloy processed by high-pressure torsion. International Journal of Materials Research, 2009, 100, 1662-1667.	0.1	25
807	Effect of minor Cu addition on phase evolution and magnetic properties of [(Fe _{0.5} Co _{0.5}) _{0.75} Si _{0.05} B _{0.20}] _{0.96} Nb _{0.04} Journal of Physics: Conference Series, 2009, 144, 012042.		
808	Stress-induced martensitic transformation in a Ti ₄₅ Zr ₃₈ Al ₁₇ cast rod. Journal of Physics: Conference Series, 2009, 144, 012090.	0.3	1
809	The 13th International Conference on Rapidly Quenched and Metastable Materials. Journal of Physics: Conference Series, 2009, 144, 011001.	0.3	1
810	Spark plasma sintering of gas atomized Al ₈₇ Ni ₈ La ₅ amorphous powder. Journal of Physics: Conference Series, 2009, 144, 012079.	0.3	7

#	ARTICLE	IF	CITATIONS
811	Viscosity of the supercooled liquid in multi-component Zr-based metallic glasses. Journal of Physics: Conference Series, 2009, 144, 012097.	0.3	12
812	Microstructure and magnetic properties of binary Nd ₈₀ Fe ₂₀ with Ga additions. Journal of Physics: Conference Series, 2009, 144, 012103.	0.3	0
813	Microstructural changes induced by thermal treatment in Cu ₄₇ Ti ₃₃ Zr ₁₁ Ni ₈ Si ₁ metallic glass. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 498, 335-340.	2.6	6
814	The role of nonmagnetic phases in improving the magnetic properties of devitrified Pr ₂ Fe ₁₄ B-based nanocomposites. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 149, 73-76.	1.7	5
815	Production and mechanical properties of metallic glass-reinforced Al-based metal matrix composites. Journal of Materials Science, 2008, 43, 4518-4526.	1.7	88
816	High-Temperature Deformation Behavior and Formability of a Zr-Cu-Al-Ni Bulk Metallic Glass. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2008, 39, 1831-1837.	1.1	10
817	Effect of Titanium on Microstructure and Mechanical Properties of Cu ₅₀ Zr _{50-x} Ti _x (2.5 ≤ x ≤ 7.5) Glass Matrix Composites. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2008, 39, 1868-1873.	1.1	36
818	Analysis of interface impurities in electroplated Cu layers by using GD-OES and TOF-SIMS. Surface and Interface Analysis, 2008, 40, 418-422.	0.8	22
819	The Role of Interfacial Oxygen Atoms in the Enhanced Mechanical Properties of Carbon-Nanotube-Reinforced Metal Matrix Nanocomposites. Small, 2008, 4, 1936-1940.	5.2	177
820	The role of combined addition of Ti and B in magnetic hardening of devitrified Pr ₂ Fe ₁₄ B/(Fe ₃ B _{1-x} Fe _x) nanocomposite magnets. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 1207-1210.	0.8	2
821	Size Effect on Shear Fracture and Fragmentation of a Fe _{57.6} Co _{14.4} B _{19.2} Si _{4.8} Nb ₄ Bulk Metallic Glass. Advanced Engineering Materials, 2008, 10, 727-730.	1.6	26
822	Propagation and Deflection of Shear Bands in Metallic Glass under Circumferential Constraint. Advanced Engineering Materials, 2008, 10, 1117-1121.	1.6	2
823	Nanoscale mechanism and intrinsic structure related deformation of Ti-alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 493, 71-78.	2.6	22
824	Phase transformations in mechanically milled and annealed single-phase $\hat{\gamma}$ -Al ₃ Mg ₂ . Acta Materialia, 2008, 56, 1136-1143.	3.8	27
825	TEM investigation of Ti and Ti/Al bilayer as alternative diffusion barriers for Cu metallization for SAW device applications. Microelectronic Engineering, 2008, 85, 2055-2058.	1.1	8
826	Microstructural inhomogeneities introduced in a Zr-based bulk metallic glass upon low-temperature annealing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 491, 124-130.	2.6	50
827	In-situ X-ray diffraction of mechanically milled $\hat{\gamma}$ -Al ₃ Mg ₂ powders. Physica Status Solidi - Rapid Research Letters, 2008, 2, 272-274.	1.2	4
828	Ti-base nanoeutectic-hexagonal structured (D019) dendrite composite. Scripta Materialia, 2008, 58, 631-634.	2.6	36

#	ARTICLE	IF	CITATIONS
829	Nanocrystallization at shear bands in bulk metallic glass matrix composites. Scripta Materialia, 2008, 58, 651-654.	2.6	20
830	Structural behavior of Cu_xZr_{100-x} metallic glass ($x=35-70$). Journal of Non-Crystalline Solids, 2008, 354, 1054-1060.	1.5	177
831	Phase diagram studies on Er_2PdSi_3 and $ErPd_2Si_2$ intermetallic compounds. Journal of Alloys and Compounds, 2008, 454, 221-227.	2.8	14
832	Crystallization behavior and consolidation of ball milled $Zr_{60}Ti_{5}Ag_5Cu_{12.5}Ni_{10}Al_{7.5}$ glassy powders. Journal of Alloys and Compounds, 2008, 456, 159-162.	2.8	3
833	Thermal stability, microstructure and crystallization kinetics of melt-spun Zr-Ti-Cu-Ni metallic glass. Journal of Alloys and Compounds, 2008, 460, 263-267.	2.8	23
834	Preparation of bulk $Nd_{2}Fe_{14}B/Fe_3B$ nanocomposite magnets with high rare earth content. Intermetallics, 2008, 16, 341-344.	1.8	16
835	Formation of nano-scale β -phase in arc-melted micron-scale dendrite reinforced $Zr_{73.5}Nb_9Cu_7Ni_1Al_{9.5}$ ultrafine composite during heat treatment. Intermetallics, 2008, 16, 538-543.	1.8	3
836	High strength ultrafine eutectic $Fe-Nb-Al$ composites with enhanced plasticity. Intermetallics, 2008, 16, 642-650.	1.8	95
837	Influence of heterogeneities with different length scale on the plasticity of Fe-base ultrafine eutectic alloys. Journal of Materials Research, 2008, 23, 2003-2008.	1.2	25
838	Formation of a bimodal eutectic structure in $Ti-Fe-Sn$ alloys with enhanced plasticity. Applied Physics Letters, 2008, 93, .	1.5	75
839	Grain refinement assisted strengthening of carbon nanotube reinforced copper matrix nanocomposites. Applied Physics Letters, 2008, 92, .	1.5	112
840	Propagation of shear bands in a $Cu_{47.5}Zr_{47.5}Al_5$ bulk metallic glass. Journal of Materials Research, 2008, 23, 6-12.	1.2	32
841	Consolidation and Mechanical Properties of Mechanically Alloyed Al-Mg Powders. Materials Research Society Symposia Proceedings, 2008, 1128, 54601.	0.1	0
842	High strength porous $Ti-6Al-4V$ foams synthesized by solid state powder processing. Journal Physics D: Applied Physics, 2008, 41, 105404.	1.3	16
843	Propagation of shear bands and accommodation of shear strain in the $Fe_{56}Nb_4Al_{40}$ ultrafine eutectic-dendrite composite. Applied Physics Letters, 2008, 92, .	1.5	63
844	Magnetic hardening mechanism of $PrCo_{5-x}$ -based ribbons with C addition prepared by melt spinning. International Journal of Materials Research, 2008, 99, 67-69.	0.1	2
845	Influence of a bimodal eutectic structure on the plasticity of a $(Ti_{70.5}Fe_{29.5})_{91}Sn_9$ ultrafine composite. Applied Physics Letters, 2008, 93, .	1.5	43
846	High strength $Ni-Zr$ binary ultrafine eutectic-dendrite composite with large plastic deformability. Applied Physics Letters, 2008, 93, .	1.5	36

#	ARTICLE	IF	CITATIONS
847	Effect of local chemistry, structure and length scale of heterogeneities on the mechanical properties of a Ti ₄₅ Cu ₄₀ Ni _{7.5} Zr ₅ Sn _{2.5} bulk metallic glass. Philosophical Magazine Letters, 2008, 88, 75-81.	0.5	23
848	Enhancement of plasticity in Ti-rich Ti-Zr-Be-Cu-Ni-Ta bulk glassy alloy via introducing the structural inhomogeneity. Journal of Materials Research, 2008, 23, 2984-2989.	1.2	24
849	Strain distribution in Zr _{64.13} Cu _{15.75} Ni _{10.12} Al ₁₀ bulk metallic glass investigated by <i>in situ</i> tensile tests under synchrotron radiation. Journal of Applied Physics, 2008, 104, .	1.1	64
850	Influence of sub-T _g annealing on the crystallization kinetics of Cu ₄₇ Ti ₃₃ Zr ₁₁ Ni ₈ Si ₁ metallic glass. Journal of Applied Physics, 2008, 104, .	1.1	15
851	Deformation and fracture of Ti-base nanostructured composite. International Journal of Materials Research, 2008, 99, 985-990.	0.1	1
852	Mechanical Properties of Bulk Metallic Glasses. MRS Bulletin, 2007, 32, 635-638.	1.7	328
853	Formability Evaluation of both Monolithic and Multiphase Zr-Based Bulk Metallic Glasses. Key Engineering Materials, 2007, 345-346, 105-108.	0.4	4
854	Structure Formation and Mechanical Behavior of Two-phase Nanostructured Materials. , 2007, , 565-675.		5
855	Superior mechanical properties of FeCrMoVC. Applied Physics Letters, 2007, 90, 261901.	1.5	29
856	Deformation-induced nanoscale high-temperature phase separation in Co-Fe alloys at room temperature. Applied Physics Letters, 2007, 90, 201908.	1.5	10
857	Ductile ultrafine-grained Ti-based alloys with high yield strength. Applied Physics Letters, 2007, 91, .	1.5	64
858	Effect of annealing on the mechanical properties and fracture mechanisms of aZr _{56.2} Ti _{13.8} Nb _{5.0} Cu _{6.9} Ni _{5.6} Be _{12.5} bulk-metallic-glass composite. Physical Review B, 2007, 75, .	1.1	65
859	Calorimetric study of the crystallization kinetics ofCu ₄₇ Ti ₃₃ Zr ₁₁ Ni ₈ Si ₁ metallic glass. Physical Review B, 2007, 75, .	1.1	23
860	Effect of high pressure during the fabrication on the thermal and mechanical properties of amorphous Ni ₆₀ Nb ₄₀ particle-reinforced Al-based metal matrix composites. Journal of Materials Research, 2007, 22, 1168-1173.	1.2	8
861	Influence of additional elements on the development of nanoscale heterogeneities in (TiCu)-based bulk metallic glasses with enhanced ductility. Journal of Materials Research, 2007, 22, 2223-2229.	1.2	3
862	Powder Metallurgy of Nanostructured High Strength Materials. Materials Science Forum, 2007, 534-536, 1405-1408.	0.3	2
863	Influence of cooling rate on crystallization and microstructure of the monotectic Ni ₅₄ Nb ₂₃ Y ₂₃ alloy. Philosophical Magazine Letters, 2007, 87, 839-846.	0.5	4
864	Microstructure and mechanical properties of slowly cooled Cu _{47.5} Zr _{47.5} Al ₅ . Journal of Materials Research, 2007, 22, 326-333.	1.2	47

#	ARTICLE	IF	CITATIONS
865	Structural Relaxation and Crystallization of a Zr ₄₄ Ti ₁₁ Cu _{9.8} Ni _{10.2} Be ₂₅ Bulk Metallic Glass. Materials Transactions, 2007, 48, 1722-1728.	0.4	8
866	Phase Separation and Crystallization in Cu-Zr Metallic Glasses. Materials Transactions, 2007, 48, 1639-1643.	0.4	12
867	Impact of Microstructural Inhomogenities on the Ductility of Bulk Metallic Glasses. Materials Transactions, 2007, 48, 1806-1811.	0.4	8
868	Influence of annealing on structural relaxation, crystallization, and deformation behavior of a Zr _{41.2} Ti _{13.8} Cu _{12.5} Ni ₁₀ Be _{22.5} bulk metallic glass. Journal of Materials Research, 2007, 22, 1849-1858.	1.2	6
869	Load relaxation behavior of a Zr _{41.2} Ti _{13.8} Cu _{12.5} Ni ₁₀ Be _{22.5} bulk metallic glass. Journal of Non-Crystalline Solids, 2007, 353, 2515-2520.	1.5	13
870	Structural behavior of amorphous and liquid metallic alloys at elevated temperatures. Journal of Non-Crystalline Solids, 2007, 353, 3327-3331.	1.5	10
871	Mixed viscous flow and softening of bulk metallic glasses. Journal of Non-Crystalline Solids, 2007, 353, 3754-3757.	1.5	3
872	On the Kaiser effect in bulk metallic glasses. Journal of Non-Crystalline Solids, 2007, 353, 3769-3771.	1.5	9
873	Strengthening of multicomponent glass-forming alloys by microstructure design. Journal of Non-Crystalline Solids, 2007, 353, 3742-3749.	1.5	8
874	Amorphization in mechanically alloyed (Ti, Zr, Nb)â€“(Cu, Ni)â€“Al equiatomic alloys. Journal of Alloys and Compounds, 2007, 428, 157-163.	2.8	70
875	Formation of icosahedral phase in an Al ₉₃ Fe ₃ Cr ₂ Ti ₂ bulk alloy. Journal of Alloys and Compounds, 2007, 436, L1-L4.	2.8	18
876	Microstructural investigation of a deformed Ti _{66.1} Cu ₈ Ni _{4.8} Sn _{7.2} Nb _{13.9} nanostructureâ€“dendrite composite. Journal of Alloys and Compounds, 2007, 434-435, 106-109.	2.8	27
877	Studies on the crystallization kinetics of Cu-reinforced partially crystalline Cu ₄₇ Ti ₃₃ Zr ₁₁ Ni ₈ Si ₁ metallic glass composite. Journal of Alloys and Compounds, 2007, 434-435, 203-206.	2.8	8
878	Effect of Zr on the crystallization behavior of multi-component Zr-based metallic glasses. Journal of Alloys and Compounds, 2007, 434-435, 217-220.	2.8	2
879	Bulk ultra-fine eutectic structure in Tiâ€“Feâ€“base alloys. Journal of Alloys and Compounds, 2007, 434-435, 28-31.	2.8	42
880	Fe _{65.5} Cr ₄ Mo ₄ Ga ₄ P ₁₂ C ₅ B _{5.5} BMGs: Sample preparation, thermal stability and mechanical properties. Journal of Alloys and Compounds, 2007, 434-435, 171-175.	2.8	19
881	Deformation behavior of a Ti ₆₆ Cu ₈ Ni _{4.8} Sn _{7.2} Nb ₁₄ nanostructured composite containing ductile dendrites. Journal of Alloys and Compounds, 2007, 434-435, 13-17.	2.8	19
882	Conditions for quasicrystal formation from mechanically alloyed Zr-based glassy powders. Intermetallics, 2007, 15, 571-582.	1.8	26

#	ARTICLE	IF	CITATIONS
883	Severe plastic deformation of a Ti-based nanocomposite alloy studied by nanoindentation. <i>Intermetallics</i> , 2007, 15, 1038-1045.	1.8	14
884	Electrode characteristics of two-phase glass-forming Niâ€“Nbâ€“Y alloys. <i>Intermetallics</i> , 2007, 15, 1183-1189.	1.8	12
885	Plasticity in bulk metallic glasses investigated via the strain distribution. <i>Physical Review B</i> , 2007, 76, .	1.1	45
886	trans-W(Cmesityl)(dmpe)2H:â€“% Revealing a Highly Polar Wâ”H Bond and H-Mobility in Liquid and Solid State. <i>Journal of the American Chemical Society</i> , 2007, 129, 7195-7205.	6.6	13
887	Mechanical properties of bulk metallic glasses and composites. <i>Journal of Materials Research</i> , 2007, 22, 285-301.	1.2	386
888	Phase stability and consolidation of glassy/nanostructured Al85Ni9Nd4Co2 alloys. <i>Journal of Materials Research</i> , 2007, 22, 1145-1155.	1.2	20
889	Strain rate dependence of plastic flow in Ce-based bulk metallic glass during nanoindentation. <i>Journal of Materials Research</i> , 2007, 22, 258-263.	1.2	33
890	The Physical Nature of Materials Strengths. <i>Advanced Engineering Materials</i> , 2007, 9, 143-146.	1.6	9
891	Processing Routes, Microstructure and Mechanical Properties of Metallic Glasses and their Composites. <i>Advanced Engineering Materials</i> , 2007, 9, 443-453.	1.6	44
892	Martensite Formation in a Ductile Cu47.5Zr47.5Al5 Bulk Metallic Glass Composite. <i>Advanced Engineering Materials</i> , 2007, 9, 487-491.	1.6	44
893	New Feâ€“Crâ€“Moâ€“Gaâ€“C composites with high compressive strength and large plasticity. <i>Acta Materialia</i> , 2007, 55, 3513-3520.	3.8	13
894	Ti-base bulk nanostructure-dendrite composites: Microstructure and deformation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 449-451, 24-29.	2.6	33
895	Devitrification of nano-scale icosahedral phase in multicomponent alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 449-451, 983-986.	2.6	9
896	Microstructural comparison of Zr73.5Nb9Cu7Ni1Al9.5 nanostructure-dendrite composites produced by different casting techniques. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 449-451, 747-751.	2.6	7
897	Formation of ductile ultrafine eutectic structure in Tiâ€“Feâ€“Sn alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 449-451, 737-740.	2.6	29
898	Interfacial reaction during the fabrication of Ni60Nb40 metallic glass particles-reinforced Al based MMCs. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 444, 206-213.	2.6	74
899	Influence of oxygen on the devitrification of Zrâ€“Tiâ€“Nbâ€“Cuâ€“Niâ€“Al metallic glasses. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 449-451, 493-496.	2.6	7
900	Small angle neutron scattering studies of hard magnetic bulk amorphous alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 449-451, 448-451.	2.6	2

#	ARTICLE	IF	CITATIONS
901	Metallic glass formation in the Cu ₄₇ Ti ₃₃ Zr ₁₁ Ni ₈ Si ₁ alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 444, 257-264.	2.6	6
902	Superconducting gaps of nanocrystalline MgB ₂ . <i>Physica C: Superconductivity and Its Applications</i> , 2007, 460-462, 553-554.	0.6	1
903	Complete suppression of metastable phase and significant enhancement of magnetic properties of B-rich PrFeB nanocomposites prepared by devitrifying amorphous ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 308, 24-27.	1.0	6
904	Mechanical properties of a two-phase amorphous Ni ₄₀ Nb ₄₀ Y alloy studied by nanoindentation. <i>Scripta Materialia</i> , 2007, 56, 85-88.	2.6	46
905	Dynamic softening and indentation size effect in a Zr-based bulk glass-forming alloy. <i>Scripta Materialia</i> , 2007, 56, 605-608.	2.6	88
906	Phase separation in amorphous Ni ₄₀ Nb ₄₀ Y alloys. <i>Scripta Materialia</i> , 2007, 57, 29-32.	2.6	28
907	High strength Ti ₄₀ Fe ₄₀ Sn ultrafine composites with large plasticity. <i>Scripta Materialia</i> , 2007, 57, 101-104.	2.6	133
908	Deformation behavior and plastic instability of off-stoichiometric Co ₄₀ Fe alloys. <i>Scripta Materialia</i> , 2007, 57, 731-734.	2.6	4
909	Tailoring of microstructure and mechanical properties of a Ti-based bulk metallic glass-forming alloy. <i>Scripta Materialia</i> , 2007, 57, 1101-1104.	2.6	78
910	Crystallization of Amorphous Material. , 2007, , 6-1-6-27.		1
911	Structural evolution of nano-scale icosahedral phase in novel multicomponent amorphous alloys. <i>Philosophical Magazine</i> , 2006, 86, 281-286.	0.7	8
912	High-field magnetization and coercivity of hard magnetic mold-cast Nd ₈₀ Fe ₂₀ . <i>Journal of Applied Physics</i> , 2006, 99, 083904.	1.1	4
913	Deformation-induced nanostructuring in a Ti ₄₀ Nb ₄₀ Ta ₁₀ In ₁₀ alloy. <i>Applied Physics Letters</i> , 2006, 89, 031906.	1.5	50
914	Work hardening ability of ductile Ti ₄₅ Cu ₄₀ Ni _{7.5} Zr ₅ Sn _{2.5} and Cu _{47.5} Zr _{47.5} Al ₅ bulk metallic glasses. <i>Applied Physics Letters</i> , 2006, 89, 071908.	1.5	56
915	Structural short-range order of the β -Ti phase in bulk Ti ₄₀ Fe ₄₀ (Sn) nanoeutectic composites. <i>Applied Physics Letters</i> , 2006, 89, 261917.	1.5	31
916	Thermal stability and crystallization kinetics of mechanically alloyed Ti ₄₀ •Ti-based metallic glass matrix composite. <i>Journal of Applied Physics</i> , 2006, 100, 033514.	1.1	65
917	Nanocrystal development in Cu ₄₇ Ti ₃₃ Zr ₁₁ Ni ₈ Si ₁ metallic glass powders. <i>Journal of Alloys and Compounds</i> , 2006, 415, 162-169.	2.8	11
918	Mechano-chemical synthesis and characterization of microstructure and magnetic properties of nanocrystalline Mn _{1-x} Zn _x Fe ₂ O ₄ . <i>Journal of Alloys and Compounds</i> , 2006, 424, 13-20.	2.8	49

#	ARTICLE	IF	CITATIONS
919	Cooling rate controlled microstructure and magnetic properties of metastable Fe ₂₀ Nd ₈₀ alloys. <i>Intermetallics</i> , 2006, 14, 47-53.	1.8	7
920	High strength ductile Cu-base metallic glass. <i>Intermetallics</i> , 2006, 14, 876-881.	1.8	123
921	Effect of cooling rate on microstructure and glass-forming ability of a (Ti ₃₃ Zr ₃₃ Hf ₃₃) ₇₀ (Ni ₅₀ Cu ₅₀) ₂₀ Al ₁₀ alloy. <i>Intermetallics</i> , 2006, 14, 972-977.	1.8	9
922	Fracture surface morphology of compressed bulk metallic glass-matrix-composites and bulk metallic glass. <i>Intermetallics</i> , 2006, 14, 982-986.	1.8	66
923	Effect of preannealing on glass transition and crystallization of gas atomized Cu ₄₇ Ti ₃₃ Zr ₁₁ Ni ₈ Si ₁ metallic glass powders. <i>Intermetallics</i> , 2006, 14, 1085-1090.	1.8	8
924	Enhanced microhardness in nanocomposite Ti ₆₀ Cu ₁₄ Ni ₁₂ Sn ₄ Ta ₁₀ processed by high pressure torsion. <i>Intermetallics</i> , 2006, 14, 871-875.	1.8	11
925	Ductile Metallic Glasses in Supercooled Martensitic Alloys. <i>Materials Transactions</i> , 2006, 47, 2606-2609.	0.4	55
926	Is a particular quenched-in short-range order necessary for quasicrystal formation from glassy precursors?. <i>Physica Status Solidi (B): Basic Research</i> , 2006, 243, R34-R36.	0.7	0
927	Properties of P/M processed particle reinforced metal matrix composites specified by reinforcement concentration and matrix-to-reinforcement particle size ratio. <i>Acta Materialia</i> , 2006, 54, 157-166.	3.8	246
928	Ultrafine composite microstructure in a bulk Ti alloy for high strength, strain hardening and tensile ductility. <i>Acta Materialia</i> , 2006, 54, 1349-1357.	3.8	125
929	Effect of Cu on local amorphization in bulk Ni-Ti-Zr-Si alloys during solidification. <i>Acta Materialia</i> , 2006, 54, 3141-3150.	3.8	7
930	Microscopic deformation mechanism of a Ti _{66.1} Nb _{13.9} Ni _{4.8} Cu ₈ Sn _{7.2} nanostructure dendrite composite. <i>Acta Materialia</i> , 2006, 54, 3701-3711.	3.8	93
931	Limited quasicrystal formation in Zr-Ti-Cu-Ni-Al bulk metallic glasses. <i>Acta Materialia</i> , 2006, 54, 4685-4692.	3.8	31
932	Influence of environment and grain size on magnetic properties of nanocrystalline Mn-Zn ferrite. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 306, 9-15.	1.0	25
933	Fabrication of bulk amorphous Fe ₆₇ Co _{9.5} Nd ₃ Dy _{0.5} B ₂₀ alloy by hot extrusion of ribbon and study of the magnetic properties. <i>Journal of Materials Science</i> , 2006, 41, 3445-3450.	1.7	9
934	Fe-based bulk amorphous soft magnetic materials. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 304, 192-196.	1.0	27
935	Revisiting the Cu ₄₇ Ti ₃₃ Zr ₁₁ Ni ₈ Si ₁ glass-forming alloy. <i>Scripta Materialia</i> , 2006, 54, 835-840.	2.6	17
936	Fabrication and mechanical properties of Ni-Nb metallic glass particle-reinforced Al-based metal matrix composite. <i>Scripta Materialia</i> , 2006, 54, 1445-1450.	2.6	95

#	ARTICLE	IF	CITATIONS
937	Phase stability and its effect on the deformation behavior of Ti-Nb-Ta-In/Cr alloys. Scripta Materialia, 2006, 54, 1943-1948.	2.6	93
938	Improvement of the glass-forming ability of Zr ₅₅ Cu ₃₀ Al ₁₀ Ni ₅ and Cu ₄₇ Ti ₃₄ Zr ₁₁ Ni ₈ alloys by electro-deoxidation of the melts. Scripta Materialia, 2006, 55, 87-90.	2.6	23
939	Influence of annealing on the microstructure and hardness of Ti _{67.79} Fe _{28.36} Sn _{3.85} nanocomposite rods. Scripta Materialia, 2006, 55, 1087-1090.	2.6	7
940	Mechanical properties and fracture behavior of the modified Ti-base bulk metallic glass-forming alloys. Materials Letters, 2006, 60, 656-661.	1.3	18
941	On the fragility of Cu ₄₇ Ti ₃₃ Zr ₁₁ Ni ₈ Si ₁ metallic glass. Journal Physics D: Applied Physics, 2006, 39, 2600-2608.	1.3	15
942	Superconducting properties of nanocrystalline MgB ₂ . Superconductor Science and Technology, 2006, 19, 912-915.	1.8	19
943	Influence of ball milling on quasicrystal formation in melt-spun Zr-based glassy ribbons. Philosophical Magazine, 2006, 86, 367-371.	0.7	0
944	Effect of Sn on microstructure and mechanical properties of (Ti-Cu)-based bulk metallic glasses. Philosophical Magazine Letters, 2006, 86, 479-486.	0.5	32
945	Enhanced thermal stability of the devitrified nanoscale icosahedral phase in novel multicomponent amorphous alloys. Journal of Materials Research, 2006, 21, 823-831.	1.2	9
946	Characterization of rate-dependent shear behavior of Zr-based bulk metallic glass using shear-punch testing. Journal of Materials Research, 2006, 21, 153-160.	1.2	21
947	Strength asymmetry of ductile dendrites reinforced Zr- and Ti-based composites. Journal of Materials Research, 2006, 21, 2331-2336.	1.2	39
948	Wavy cleavage fracture of bulk metallic glass. Applied Physics Letters, 2006, 89, 251917.	1.5	83
949	Heterogeneity of a Cu _{47.5} Zr _{47.5} Al ₅ bulk metallic glass. Applied Physics Letters, 2006, 88, 051911.	1.5	152
950	Glass-forming ability and fragility parameter of amorphous Fe ₆₇ Co _{9.5} Nd ₃ Dy _{0.5} B ₂₀ . Journal of Applied Physics, 2006, 100, 023501.	1.1	14
951	High strength hexagonal structured dendritic phase reinforced Zr-Ti-Ni bulk alloy with enhanced ductility. Applied Physics Letters, 2006, 88, 201920.	1.5	24
952	Shear fracture and fragmentation mechanisms of bulk metallic glasses. Philosophical Magazine Letters, 2006, 86, 643-650.	0.5	69
953	Nanocrystallization of gas atomized Cu ₄₇ Ti ₃₃ Zr ₁₁ Ni ₈ Si ₁ metallic glass. Journal of Materials Research, 2006, 21, 597-607.	1.2	14
954	Annealing-induced phase transitions in a Zr-Ti-Nb-Cu-Ni-Al bulk metallic glassmatrix composite containing quasicrystalline precipitates. International Journal of Materials Research, 2006, 97, 996-1000.	0.1	0

#	ARTICLE	IF	CITATIONS
955	Magnetostriction of hard magnetic Nd ₈₀ Fe ₂₀ mold-cast rod. Journal of Magnetism and Magnetic Materials, 2005, 285, 395-400.	1.0	6
956	Influence of Nb addition on structural and magnetic properties of FeNbAlGaPCB metallic glasses. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 1461-1464.	1.0	2
957	Bulk amorphous FeCrMoGaPCB: Preparation and magnetic properties. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 1480-1482.	1.0	43
958	Element segregation during crystal growth processes of Ce ₂ Pd _x Co _{1-x} Si ₃ intermetallic compounds. Journal of Crystal Growth, 2005, 275, e109-e114.	0.7	3
959	Effects of oxide particle addition on superconductivity in nanocrystalline MgB ₂ bulk samples. Physica C: Superconductivity and Its Applications, 2005, 432, 15-24.	0.6	21
960	Glass formation and crystallization of Cu ₄₇ Ti ₃₃ Zr ₁₁ Ni ₈ X ₁ (X=Fe, Si, Sn, Pb) alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 392, 169-178.	2.6	31
961	Corrosion behaviour of a Ti-base nanostructure-dendrite composite. Electrochimica Acta, 2005, 50, 2461-2467.	2.6	30
962	Formation of a metastable eutectic during the solidification of the alloy Ti ₆₀ Cu ₁₄ Ni ₁₂ Sn ₄ Ta ₁₀ . Acta Materialia, 2005, 53, 5141-5149.	3.8	18
963	Behavior of multiple shear bands in Zr-based bulk metallic glass. Materials Chemistry and Physics, 2005, 93, 174-177.	2.0	86
964	Rotation mechanism of shear fracture induced by high plasticity in Ti-based nano-structured composites containing ductile dendrites. Scripta Materialia, 2005, 52, 945-949.	2.6	69
965	Microstructural and Nano-Mechanical Characterisation of Multicomponent Composites Nanocrystalline Matrix. Advanced Engineering Materials, 2005, 7, 197-201.	1.6	1
966	Nanostructured Composite Materials with Improved Deformation Behavior. Advanced Engineering Materials, 2005, 7, 587-596.	1.6	29
967	Elevated Temperature Deformation Behavior of Zr-Based Bulk Metallic Glasses. Advanced Engineering Materials, 2005, 7, 833-841.	1.6	15
968	Formation, Thermal Stability and Deformation Behavior of High-Strength Cu-Based Bulk Glassy and Nanostructured Alloys. Advanced Engineering Materials, 2005, 7, 960-965.	1.6	7
969	Heterogeneous distribution of shear strains in deformed Ti _{66.1} Cu ₈ Ni _{4.8} Sn _{7.2} Nb _{13.9} nanostructure-dendrite composite. Physica Status Solidi (A) Applications and Materials Science, 2005, 202, 2405-2412.	0.8	14
970	Formation of micrometer sized quasicrystals in slowly cooled Zr-Ti-Nb-Cu-Ni-Al alloys. Physica Status Solidi (A) Applications and Materials Science, 2005, 202, 2436-2441.	0.8	6
971	Vickers hardness and compressive properties of bulk metallic glasses and nanostructure-dendrite composites. Journal of Materials Research, 2005, 20, 2632-2638.	1.2	34
972	Crystallization Behaviour of Novel (Ti ₃₃ Zr ₃₃ Hf ₃₃) _{100-x} (Ni ₅₀ Cu ₅₀) _x Alloys with X=48 to 55. Journal of Metastable and Nanocrystalline Materials, 2005, 24-25, 657-660.		

#	ARTICLE	IF	CITATIONS
973	Phase Formation in Quinary Ti-Based Nanocomposites and an Analogous Ternary System with a View to Thermodynamic Modelling. Journal of Metastable and Nanocrystalline Materials, 2005, 24-25, 53-56.	0.1	1
974	In Situ Formed Bulk Nanostructured Ti-Base Composites. Journal of Metastable and Nanocrystalline Materials, 2005, 24-25, 31-36.	0.1	1
975	Mechanically Alloyed MgB ₂ Superconductors: Microstructure, Tape Formation and Critical Currents. Journal of Metastable and Nanocrystalline Materials, 2005, 24-25, 559-564.	0.1	0
976	Formation of Quasicrystals in Zr-Ti-Nb-Cu-Ni-Al Alloys by Casting or Annealing. Journal of Metastable and Nanocrystalline Materials, 2005, 24-25, 511-514.	0.1	0
977	Magnetic transitions in Dy-microalloyed Fe-based bulk metallic glasses. Journal Physics D: Applied Physics, 2005, 38, 2162-2165.	1.3	10
978	High-strength Ti-base ultrafine eutectic with enhanced ductility. Applied Physics Letters, 2005, 87, 161907.	1.5	151
979	Propagation of shear bands in Ti _{66.1} Cu _{8Ni4.8} Sn _{7.2} Nb _{13.9} nanostructure-dendrite composite during deformation. Applied Physics Letters, 2005, 86, 171909.	1.5	44
980	Interfacial instability-driven amorphization•nanocrystallization in a bulkNi ₄₅ Cu _{5Ti33} Zr ₁₆ Si ₁ alloy during solidification. Physical Review B, 2005, 72, .	1.1	4
981	Stoichiometry dependence of superconductivity and microstructure in mechanically alloyed MgB ₂ . Journal of Applied Physics, 2005, 97, 056105.	1.1	35
982	Enhanced Critical Current Density in Nanocrystalline Mechanically Alloyed MgB_2 Bulk and Fe Sheathed Tapes. IEEE Transactions on Applied Superconductivity, 2005, 15, 3192-3195.	1.1	1
983	Plastic Deformation and Mechanical Softening of Pd ₄₀ Cu ₃₀ Ni ₁₀ P ₂₀ Bulk Metallic Glass During Nanoindentation. Journal of Materials Research, 2005, 20, 2719-2725.	1.2	48
984	Mechanical Characterization of Cu ₆₀ Zr ₂₂ Ti ₁₈ Bulk Metallic Glasses. Journal of Metastable and Nanocrystalline Materials, 2005, 24-25, 669-672.	0.1	0
985	Shear and distensile fracture behaviour of Ti-based composites with ductile dendrites. Philosophical Magazine, 2005, 85, 897-915.	0.7	17
986	On the amorphous-to-quasicrystalline phase transformation in ball-milled and melt-spun Zr _{58.5} Ti _{8.2} Cu _{14.2} Ni _{11.4} Al _{7.7} glassy alloys. Journal of Non-Crystalline Solids, 2005, 351, 856-862.	1.5	9
987	Quasicrystalline phase formation in Zr•Ti•Nb•Cu•Ni•(Al) metallic glasses. Journal of Alloys and Compounds, 2005, 387, 269-273.	2.8	7
988	Crystallization kinetics of amorphous Fe ₆₇ Co _{9.5} Nd ₃ Dy _{0.5} B ₂₀ . Journal of Alloys and Compounds, 2005, 397, 104-109.	2.8	44
989	Mechanical behavior of Fe _{65.5} Cr ₄ Mo ₄ Ga ₄ P ₁₂ C ₅ B _{5.5} bulk metallic glass. Intermetallics, 2005, 13, 764-769.	1.8	108
990	Thermal stability and crystallization kinetics of Cu-reinforced Cu ₄₇ Ti ₃₃ Zr ₁₁ Ni ₈ Si ₁ metallic glass composite powders synthesized by ball milling: the effect of particulate reinforcement. Intermetallics, 2005, 13, 833-840.	1.8	52

#	ARTICLE	IF	CITATIONS
991	Effect of relaxation and primary nanocrystallization on the mechanical properties of Cu ₆₀ Zr ₂₂ Ti ₁₈ bulk metallic glass. <i>Intermetallics</i> , 2005, 13, 1214-1219.	1.8	58
992	Unified Tensile Fracture Criterion. <i>Physical Review Letters</i> , 2005, 94, 094301.	2.9	213
993	Effect of aspect ratio on the compressive deformation and fracture behaviour of Zr-based bulk metallic glass. <i>Philosophical Magazine Letters</i> , 2005, 85, 513-521.	0.5	145
994	“Work-Hardenable” Ductile Bulk Metallic Glass. <i>Physical Review Letters</i> , 2005, 94, 205501.	2.9	857
995	Toughening mechanisms of a Ti-based nanostructured composite containing ductile dendrites. <i>International Journal of Materials Research</i> , 2005, 96, 675-680.	0.8	11
996	On the Orowan stress in intermetallic ODS alloys and its superposition with grain size and solid solution hardening. <i>International Journal of Materials Research</i> , 2005, 96, 801-806.	0.8	1
997	Serrated Plastic Flow in a Zr-based Bulk Metallic Glass During Nanoindentation. <i>Chinese Physics Letters</i> , 2004, 21, 1593-1595.	1.3	20
998	Microstructure and impurity dependence in mechanically alloyed nanocrystalline MgB ₂ superconductors. <i>Superconductor Science and Technology</i> , 2004, 17, 1148-1153.	1.8	29
999	NMR investigations of medium-range order and quasicrystal formation in Zr ₅₉ Cu ₂₀ Al ₁₀ Ni ₈ Ti ₃ metallic glass. <i>Physical Review B</i> , 2004, 70, .	1.1	10
1000	Mechanism of internal friction in bulk Zr ₆₅ Cu _{17.5} Ni ₁₀ Al _{7.5} metallic glass. <i>Physical Review B</i> , 2004, 70, .	1.1	12
1001	Class-forming ability and crystallization behavior of Ti-“Cu”-Ni-“Sn”-M (M=Zr, Mo, and Ta) metallic glasses. <i>Journal of Applied Physics</i> , 2004, 95, 1816-1821.	1.1	19
1002	Mössbauer study of FeCoSiAlGaPCB amorphous alloys. <i>Journal of Applied Physics</i> , 2004, 95, 4151-4156.	1.1	5
1003	Local Order Changes in Amorphous Zr _{52.5} Hf ₂ Ti _{7.5} Cu ₂₀ Al ₁₀ Ni ₈ Alloy upon Crystallization. <i>Journal of Metastable and Nanocrystalline Materials</i> , 2004, 20-21, 499-504.	0.1	1
1004	Zr-Nb-Cu-Ni-Al Glass or Nanocrystalline Matrix Composites Containing Dendritic BCC Phase Precipitates. <i>Journal of Metastable and Nanocrystalline Materials</i> , 2004, 20-21, 41-46.	0.1	1
1005	Class Transition and Crystallization of Zr ₆₀ Ti ₂ Al ₁₀ Cu ₂₀ Ni ₈ Bulk Metallic Glass. <i>Journal of Metastable and Nanocrystalline Materials</i> , 2004, 20-21, 59-64.	0.1	1
1006	High-performance bulk Ti-Cu-Ni-Sn-Ta nanocomposites based on a dendrite-eutectic microstructure. <i>Journal of Materials Research</i> , 2004, 19, 2557-2566.	1.2	36
1007	Possible influence of quenched-in nuclei on quasicrystal formation in mechanically alloyed Zr ₅₇ Ti ₈ Nb _{2.5} Cu _{13.9} Ni _{11.1} Al _{7.5} glassy powder. <i>Journal of Materials Research</i> , 2004, 19, 2211-2215.	1.2	5
1008	Inverse deformation-fracture responses between dendrite and matrix in Ti-based nanostructure-“dendrite composite. <i>Philosophical Magazine Letters</i> , 2004, 84, 365-372.	0.5	26

#	ARTICLE	IF	CITATIONS
1009	Correlation between enthalpy change and free volume reduction during structural relaxation of Zr ₅₅ Cu ₃₀ Al ₁₀ Ni ₅ metallic glass. <i>Scripta Materialia</i> , 2004, 50, 39-44.	2.6	483
1010	Devitrification and phase transformation of (Ti _{0.5} Cu _{0.25} Ni _{0.15} Sn _{0.05} Zr _{0.05}) ₁₀₀ ~ ^x Mox metallic glasses. <i>Scripta Materialia</i> , 2004, 50, 7-11.	2.6	12
1011	Cold-consolidation of ball-milled Fe-based amorphous ribbons by high pressure torsion. <i>Scripta Materialia</i> , 2004, 50, 1221-1225.	2.6	81
1012	Polarisation behaviour of the Zr ₅₇ Ti ₈ Nb _{2.5} Cu _{13.9} Ni _{11.1} Al _{7.5} alloy in different microstructural states in acid solutions. <i>Scripta Materialia</i> , 2004, 50, 1379-1384.	2.6	32
1013	Synthesis and thermal stability of ball-milled and melt-quenched amorphous and nanostructured Al-Ni-Nd-Co alloys. <i>Journal of Materials Science</i> , 2004, 39, 5295-5298.	1.7	10
1014	Formation of quasicrystals in ball-milled amorphous Zr-Ti-Nb-Cu-Ni-Al alloys with different Nb content. <i>Journal of Materials Science</i> , 2004, 39, 5483-5486.	1.7	7
1015	Mechanically alloyed Zr~Cu~Al~Ni~C glassy powders. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 375-377, 804-808.	2.6	15
1016	Preparation of bulk amorphous Fe~Cr~Mo~Ga~P~C~B alloys by copper mold casting. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 375-377, 399-402.	2.6	24
1017	Co-based Soft Magnetic Bulk Materials Prepared by Hot Powder Compaction. <i>European Physical Journal D</i> , 2004, 54, 81-84.	0.4	2
1018	Magnetoresistance and Magnetoimpedance Effects in DC Joule Heated Fe ₇₂ Al ₅ Ga ₂ P ₁₁ C ₆ B ₄ Amorphous Ribbons. <i>European Physical Journal D</i> , 2004, 54, 157-160.	0.4	1
1019	Fatigue and fracture behavior of bulk metallic glass. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2004, 35, 3489-3498.	1.1	85
1020	Effect of Sn on microstructure and mechanical properties of Ti-base dendrite/ultrafine-structured multicomponent alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2004, 35, 3605-3612.	1.1	11
1021	Microstructure, mechanical properties, and fracture mechanism of As-cast (Ti _{0.5} Cu _{0.25} Ni _{0.15} Sn _{0.05} Zr _{0.05}) ₁₀₀ ~ ^x Mo x composites. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2004, 35, 1591-1601.	1.1	5
1022	Magnetic properties and magnetic domain structure of bulk glass forming Nd ₆₀ Al ₁₀ Fe ₂₀ Co ₁₀ alloy. <i>Physica Status Solidi A</i> , 2004, 201, 1563-1569.	1.7	1
1023	Critical current densities of superconducting MgB ₂ tapes prepared on the base of mechanically alloyed precursors. <i>Physica C: Superconductivity and Its Applications</i> , 2004, 406, 121-130.	0.6	28
1024	Processing dependence of Young's modulus of Ti-base nanostructured alloys. <i>Solid State Communications</i> , 2004, 129, 711-715.	0.9	17
1025	Structure and magnetic properties of hot pressed Co-based powder. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 278, 373-378.	1.0	20
1026	Magnetic properties of bulk amorphous FeAlGaPCBSi samples prepared by ball-milling and subsequent hot pressing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 375-377, 265-269.	2.6	12

#	ARTICLE	IF	CITATIONS
1027	Corrosion behaviour of the Mg ₆₅ Y ₁₀ Cu ₁₅ Ag ₁₀ bulk metallic glass. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 375-377, 280-284.	2.6	27
1028	Electrochemical removal of oxygen for processing glass-forming alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 375-377, 240-243.	2.6	11
1029	Microstructure and mechanical properties of slowly cooled Zr-Nb-Cu-Ni-Al composites with ductile bcc phase. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 375-377, 322-326.	2.6	42
1030	Magnetic properties of amorphous Nd-Fe-Co-Al alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 375-377, 1083-1086.	2.6	10
1031	Thermal behavior and glass transition of Zr-based bulk metallic glasses. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 375-377, 351-354.	2.6	36
1032	Thermal stability and crystallization behavior of Fe ₇₇ C ₅ B ₄ (AlGa) ₃ (PSi) ₁₁ metallic glasses. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 375-377, 297-301.	2.6	7
1033	Glass forming ability of Nd ₆₀ TM ₃₀ Al ₁₀ (TM=Fe, Co, Ni, Cu, Mn) alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 375-377, 403-406.	2.6	6
1034	Deformation behavior and dilatometric measurements of Nd-Fe based bulk metallic glass. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 375-377, 1161-1164.	2.6	9
1035	Low magnetostriction crystalline ribbons prepared by melt-spinning and reactive annealing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 375-377, 1125-1128.	2.6	2
1036	Hard magnetic properties of bulk amorphous Nd ₆₀ Fe ₂₀ Co ₁₀ Al ₁₀ investigated by SANSPOL. <i>Physica B: Condensed Matter</i> , 2004, 350, E315-E318.	1.3	12
1037	Composition dependence of the microstructure and the mechanical properties of nano/ultrafine-structured Ti-Cu-Ni-Sn-Nb alloys. <i>Acta Materialia</i> , 2004, 52, 3035-3046.	3.8	110
1038	Microstructure evolution upon devitrification and crystallization kinetics of Zr ₅₇ Ti ₈ Nb _{2.5} Cu _{13.9} Ni _{11.1} Al _{7.5} melt-spun glassy ribbon. <i>Journal of Applied Physics</i> , 2004, 95, 3397-3403.	1.1	29
1039	Quasicrystal formation in mechanically alloyed Zr-Ti-Nb-Cu-Ni-Al glassy powders. <i>Applied Physics Letters</i> , 2004, 85, 4349.	1.5	11
1040	Fracture-Induced Melting in Glassy and Nanostructured Composite Materials. <i>Journal of Metastable and Nanocrystalline Materials</i> , 2004, 20-21, 357-365.	0.1	4
1041	Pitting corrosion of bulk glass-forming zirconium-based alloys. <i>Journal of Alloys and Compounds</i> , 2004, 377, 290-297.	2.8	104
1042	Effect of casting conditions on dendrite-amorphous/nanocrystalline Zr-Nb-Cu-Ni-Al in situ composites. <i>Intermetallics</i> , 2004, 12, 1153-1158.	1.8	56
1043	Bulk glass forming and thermal stability in Fe _{67.0} Co _{9.5} Nd _{3.0} Dy _{0.5} B ₂₀ alloy. <i>Materials Letters</i> , 2004, 58, 1844-1852.	1.3	7
1044	Synthesis of (Al ₆₅ Cu ₂₀ Fe ₁₅) _{100-x} Six quasicrystalline alloys by mechanical alloying. <i>Journal of Non-Crystalline Solids</i> , 2004, 334-335, 44-47.	1.5	12

#	ARTICLE	IF	CITATIONS
1045	Structural behavior and glass transition of bulk metallic glasses. <i>Journal of Non-Crystalline Solids</i> , 2004, 345-346, 758-761.	1.5	14
1046	Electrochemical hydrogenation of Mg ₆₅ Cu ₂₅ Y ₁₀ metallic glass. <i>Journal of Alloys and Compounds</i> , 2004, 364, 229-237.	2.8	63
1047	Effect of Y addition on the microstructure and magnetic properties of Nd ₆₀ xYxFe ₃₀ Al ₁₀ mould-cast alloys. <i>Journal of Alloys and Compounds</i> , 2004, 366, 248-253.	2.8	7
1048	Novel In Situ Nanostructure-Dendrite Composites in Zr-Base Multicomponent Alloy System. <i>Materials and Manufacturing Processes</i> , 2004, 19, 423-437.	2.7	9
1049	Nanomechanical characterization of Ti-base nanostructure-dendrite composite. <i>International Journal of Materials Research</i> , 2004, 95, 317-319.	0.8	5
1050	Extraction of boron Fe ₈ B ₂ ribbons by annealing under hydrogen flow. <i>European Physical Journal Special Topics</i> , 2004, 120, 55-59.	0.2	0
1051	A Comparative Study of MgB ₂ and Other Diborides. <i>Journal of Low Temperature Physics</i> , 2003, 131, 1159-1163.	0.6	6
1052	Effect of Al on microstructure and magnetic properties of mould-cast Nd ₆₀ Fe ₄₀ xAlx alloys. <i>Scripta Materialia</i> , 2003, 48, 321-325.	2.6	8
1053	Improved mechanical behavior of Cu-Ti-based bulk metallic glass by in situ formation of nanoscale precipitates. <i>Scripta Materialia</i> , 2003, 48, 653-658.	2.6	161
1054	Microstructure and mechanical properties of the Zr _{66.4} Cu _{10.5} Ni _{8.7} Al ₈ Ta _{6.4} metallic glass-forming alloy. <i>Scripta Materialia</i> , 2003, 48, 1531-1536.	2.6	26
1055	Stability and magnetic properties of Fe-based amorphous alloys with supercooled liquid region. <i>Journal of Magnetism and Magnetic Materials</i> , 2003, 254-255, 23-25.	1.0	6
1056	Low magnetostriction crystalline ribbons prepared by melt spinning and reactive annealing. <i>Journal of Magnetism and Magnetic Materials</i> , 2003, 254-255, 26-28.	1.0	3
1057	Soft magnetic properties of FeCoSiAlGaPCB amorphous alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2003, 254-255, 444-446.	1.0	2
1058	Effect of cooling rate on microstructure and magnetic properties of Nd ₆₀ Fe ₃₀ Al ₁₀ hard magnetic alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2003, 261, 122-130.	1.0	28
1059	Effect of casting conditions on microstructure and mechanical properties of high-strength Zr _{73.5} Nb ₉ Cu ₇ Ni ₁ Al _{9.5} in situ composites. <i>Scripta Materialia</i> , 2003, 49, 1189-1195.	2.6	56
1060	Nanostructured Ti-based multi-component alloys with potential for biomedical applications. <i>Biomaterials</i> , 2003, 24, 5115-5120.	5.7	110
1061	Effect of preparation conditions on the short-range order in Zr-based bulk glass-forming alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003, 343, 194-198.	2.6	21
1062	Phase transformation and mechanical properties of Zr-base bulk glass-forming alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003, 352, 179-185.	2.6	19

#	ARTICLE	IF	CITATIONS
1063	Effect of microstructure on the magnetic properties of mold-cast and melt-spun Nd-Fe-Co-Al amorphous alloys. <i>Acta Materialia</i> , 2003, 51, 229-238.	3.8	37
1064	Difference in compressive and tensile fracture mechanisms of Zr ₅₉ Cu ₂₀ Al ₁₀ Ni ₈ Ti ₃ bulk metallic glass. <i>Acta Materialia</i> , 2003, 51, 1167-1179.	3.8	797
1065	Stability, phase transformation and deformation behavior of Ti-base metallic glass and composites. <i>Acta Materialia</i> , 2003, 51, 1621-1631.	3.8	102
1066	Effect of Ta on glass formation, thermal stability and mechanical properties of a Zr _{52.25} Cu _{28.5} Ni _{4.75} Al _{9.5} Ta ₅ bulk metallic glass. <i>Acta Materialia</i> , 2003, 51, 2383-2395.	3.8	100
1067	Co-based soft magnetic bulk amorphous ferromagnets prepared by powder consolidation. <i>Physica Status Solidi A</i> , 2003, 199, 299-304.	1.7	12
1068	Novel Ti-base nanostructure dendrite composite with enhanced plasticity. <i>Nature Materials</i> , 2003, 2, 33-37.	13.3	684
1069	High-strength Zr-Nb-(Cu,Ni,Al) composites with enhanced plasticity. <i>Applied Physics Letters</i> , 2003, 82, 4690-4692.	1.5	108
1070	Synthesis and mechanical properties of mechanically alloyed Al-Cu-Fe quasicrystalline composites. <i>Philosophical Magazine</i> , 2003, 83, 1287-1305.	0.7	33
1071	TEM and XAS Characterization of Hard Magnetic Phase in Nd-Fe Alloys. <i>Materials Research Society Symposia Proceedings</i> , 2003, 806, 143.	0.1	1
1072	In situ formed Ti-Cu-Ni-Sn-Ta nanostructure-dendrite composite with large plasticity. <i>Acta Materialia</i> , 2003, 51, 5223-5234.	3.8	123
1073	Coercivity mechanism in mold-cast Nd ₆₀ Fe _x Co _{30-x} Al ₁₀ bulk amorphous alloys. <i>Journal of Alloys and Compounds</i> , 2003, 348, 309-313.	2.8	31
1074	Fracture Mechanisms in Bulk Metallic Glassy Materials. <i>Physical Review Letters</i> , 2003, 91, 045505.	2.9	318
1075	Al-Mn-Ce quasicrystalline composites: Phase formation and mechanical properties. <i>Philosophical Magazine</i> , 2003, 83, 807-825.	0.7	23
1076	Electrochemical Reactivity of Zirconium-Based Bulk Metallic Glasses. <i>Materials Research Society Symposia Proceedings</i> , 2003, 806, 30.	0.1	3
1077	Synthesis and Mechanical Properties of High Strength Aluminum-Based Quasicrystalline Composites. <i>Journal of Metastable and Nanocrystalline Materials</i> , 2003, 15-16, 245-252.	0.1	4
1078	Medium-Range Order and Crystallization in Zr ₅₉ Cu ₂₀ Al ₁₀ Ni ₈ Ti ₃ and Zr ₅₇ Cu ₂₀ Al ₁₀ Ni ₈ Ti ₅ Metallic Glasses Investigated by NMR. <i>Materials Research Society Symposia Proceedings</i> , 2003, 806, 214.	0.1	0
1079	Microstructure, thermal stability and mechanical properties of slowly cooled Zr-based composites containing dendritic bcc phase precipitates. <i>Materials Research Society Symposia Proceedings</i> , 2003, 806, 356.	0.1	0
1080	Nano-Mechanical Study of Mechanically Alloyed Zr-Cu-Al-Ni Glass Composite Containing Second-Phase ZrC Particles. <i>Materials Research Society Symposia Proceedings</i> , 2003, 806, 362.	0.1	0

#	ARTICLE	IF	CITATIONS
1081	The Effect of Nanosized $Y_{2}O_{3}$ as a Second Phase in Mechanically Alloyed Mg-Y-Cu Glass Matrix Composites. Journal of Metastable and Nanocrystalline Materials, 2003, 15-16, 37-42.	0.1	2
1082	What types of grain boundaries can be passed through by persistent slip bands?. Journal of Materials Research, 2003, 18, 1031-1034.	1.2	28
1083	Influence of Al on Quasicrystal Formation in Zr-Ti-Nb-Cu-Ni-Al Metallic Glasses. Materials Research Society Symposia Proceedings, 2003, 805, 200.	0.1	0
1084	Formation of High-Strength Zr-Nb-Cu-Ni-Al Alloys by Warm Extrusion of Gas Atomized Powders. Materials Research Society Symposia Proceedings, 2003, 806, 114.	0.1	0
1085	Influence of Al on Quasicrystal Formation in Zr-Ti-Nb-Cu-Ni-Al Metallic Glasses. Materials Research Society Symposia Proceedings, 2003, 806, 173.	0.1	3
1086	Low temperature preparation of MgB ₂ tapes using mechanically alloyed powder. Superconductor Science and Technology, 2003, 16, 281-284.	1.8	33
1087	MECHANICAL BEHAVIOR OF BULK GLASSY Fe _{65.5} Cr ₄ Mo ₄ Ga ₄ P ₁₂ C ₅ B _{5.5} . Materials Research Society Symposia Proceedings, 2003, 806, 368.	0.1	1
1088	Microstructure of Ti-Based, Dendrite/Nanostructured-Matrix Composites. Materials Research Society Symposia Proceedings, 2003, 806, 321.	0.1	0
1089	Structural and magnetic properties of Nd ₆₀ Fe ₃₀ ~xCoxAl ₁₀ melt-spun ribbons. Journal of Applied Physics, 2003, 93, 6930-6932.	1.1	3
1090	High density nanocrystalline MgB ₂ / bulk superconductors with improved pinning. IEEE Transactions on Applied Superconductivity, 2003, 13, 3064-3067.	1.1	12
1091	Preparation of MgB ₂ tapes using a nanocrystalline partially reacted precursor. Applied Physics Letters, 2003, 83, 1803-1805.	1.5	57
1092	Structural evaluation of Fe ₆₀ Co ₁₀ Zr ₈ Mo ₅ Nb ₂ B ₁₅ metallic glass under high pressure. Physical Review B, 2003, 68, .	1.1	10
1093	Formation of quasicrystals by partial devitrification of ball-milled amorphous Zr ₅₇ Ti ₈ Nb _{2.5} Cu _{13.9} Ni _{11.1} Al _{7.5} . Applied Physics Letters, 2003, 83, 2345-2347.	1.5	18
1094	Tensile and fatigue fracture mechanisms of a Zr-based bulk metallic glass. Journal of Materials Research, 2003, 18, 456-465.	1.2	31
1095	Stability of the Mg ₆₅ Y ₁₀ Cu ₁₅ Ag ₁₀ metallic glass in neutral and weakly acidic media. Journal of Materials Research, 2003, 18, 97-105.	1.2	14
1096	Formation of Quasicrystals in Zr-Ti-Nb-Cu-Ni-Al Melt-Spun and Ball-Milled Multicomponent Alloys. Journal of Metastable and Nanocrystalline Materials, 2003, 15-16, 67-72.	0.1	1
1097	Nanostructured Composites in Multicomponent Alloy Systems. Materials Transactions, 2003, 44, 1999-2006.	0.4	34
1098	Phase separation in Nd ₆₀ ~xYxFe ₃₀ Al ₁₀ melt-spun ribbons. Applied Physics Letters, 2002, 80, 772-774.	1.5	26

#	ARTICLE	IF	CITATIONS
1099	Glass-forming ability and soft magnetic properties of FeCoSiAlGaPCB amorphous alloys. Journal of Applied Physics, 2002, 92, 2073-2078.	1.1	59
1100	Improved superconducting properties in nanocrystalline bulk MgB ₂ . Applied Physics Letters, 2002, 80, 2725-2727.	1.5	214
1101	Glass-forming ability and crystallization behavior of Co ₆₂ xFe _x Nb ₆ Zr ₂ B ₃₀ (x=0,16) amorphous alloys with large supercooled liquid region. Journal of Applied Physics, 2002, 92, 6607-6611.	1.1	26
1102	Magnetic properties of Nd ₆₀ xYxFe ₃₀ Al ₁₀ (x=0,10,30) melt-spun ribbons containing two amorphous magnetic phases. Journal of Applied Physics, 2002, 91, 9267-9271.	1.1	13
1103	Drastic coercivity relaxation in amorphous Fe ₇₄ Al ₅ P ₁₁ C ₆ B ₄ and its dependence on the preparation method. Journal of Applied Physics, 2002, 91, 6601.	1.1	4
1104	Magnetic properties of Nd ₆₀ xFe ₃₀ Co(Cu) _x Al ₁₀ B amorphous alloys prepared by nonequilibrium techniques. Journal of Applied Physics, 2002, 91, 3764-3768.	1.1	15
1105	Enhanced plasticity in a Ti-based bulk metallic glass-forming alloy by <i>in situ</i> formation of a composite microstructure. Journal of Materials Research, 2002, 17, 3015-3018.	1.2	71
1106	Viscosity of Mechanically Alloyed Amorphous Zr-Cu-Al-Ni Matrix Composites in the Supercooled Liquid Region. Materials Science Forum, 2002, 386-388, 71-76.	0.3	1
1107	Microstructure evolution and soft magnetic properties of Fe ₇₂ xNb _x Al ₅ Ga ₂ P ₁₁ C ₆ B ₄ (x=0,2) metallic glasses. Journal Physics D: Applied Physics, 2002, 35, 2247-2253.	1.3	11
1108	Cooling Rate Evaluation for Bulk Amorphous Alloys from Eutectic Microstructures in Casting Processes. Materials Transactions, 2002, 43, 1670-1675.	0.4	87
1109	Structure of Zr ₅₂ Ti ₅ Cu ₁₈ Ni ₁₅ Al ₁₀ Bulk Metallic Glass at Elevated Temperatures. Materials Transactions, 2002, 43, 1947-1951.	0.4	4
1110	Magnetic Properties and Phase Transformations of Bulk Amorphous Fe-Based Alloys Obtained by Different Techniques. Materials Transactions, 2002, 43, 1966-1973.	0.4	30
1111	The Electrochemical Hydrogen Sorption Behaviour of Zr-Cu-Al-Ni Metallic Glasses. Materials Transactions, 2002, 43, 1133-1137.	0.4	7
1112	High Strength Magnesium-based Glass Matrix Composites. Materials Transactions, 2002, 43, 1979-1984.	0.4	7
1113	Free Volume Evolution in Bulk Metallic Glass during High Temperature Creep. Materials Research Society Symposia Proceedings, 2002, 754, 1.	0.1	0
1114	Nanocrystalline ZrN particles embedded in Zr-Fe-Cu-Al-Ni amorphous matrix.. Materials Research Society Symposia Proceedings, 2002, 754, 1.	0.1	0
1115	Surface coating on steel by pressure friction. Materials Science and Technology, 2002, 18, 1382-1384.	0.8	0
1116	ZrNbCuNiAl bulk metallic glass matrix composites containing dendritic bcc phase precipitates. Applied Physics Letters, 2002, 80, 2478-2480.	1.5	257

#	ARTICLE	IF	CITATIONS
1117	Al-Cu-Fe QUASICRYSTALLINE PHASE FORMATION BY MECHANICAL ALLOYING. Materials and Manufacturing Processes, 2002, 17, 825-841.	2.7	28
1118	Coercivity mechanism in Nd ₆₀ Fe ₃₀ Al ₁₀ and Nd ₆₀ Fe ₂₀ Co ₁₀ Al ₁₀ alloys. Physical Review B, 2002, 66, .	1.1	50
1119	Structural behavior of Zr ₅₂ Ti ₅ Cu ₁₈ Ni ₁₅ Al ₁₀ bulk metallic glass at high temperatures. Applied Physics Letters, 2002, 80, 4525-4527.	1.5	17
1120	Effect of surface pretreatment on the electrochemical activity of a glass-forming Zr-Ti-Al-Cu-Ni alloy. Journal of Alloys and Compounds, 2002, 346, 222-229.	2.8	17
1121	Structural bulk metallic glasses with different length-scale of constituent phases. Intermetallics, 2002, 10, 1183-1190.	1.8	87
1122	Effects of electrochemical hydrogenation of Zr-based alloys with high glass-forming ability. Intermetallics, 2002, 10, 1207-1213.	1.8	27
1123	Formation and thermal stability of cluster structure in Nd ₅₅ Cu ₁₅ Ni ₁₀ Co ₅ Al ₁₅ bulk amorphous alloy. Materials Letters, 2002, 53, 305-315.	1.3	4
1124	Corrosion behaviour of Zr-based bulk glass-forming alloys containing Nb or Ti. Materials Letters, 2002, 57, 173-177.	1.3	77
1125	Propriétés magnétiques et structurales d'alliages Nd-(Fe,Co)-Al bruts de coulée. Annales De Chimie: Science Des Matériaux, 2002, 27, 41-47.	0.2	1
1126	Mise en ordre locale dans les alliages amorphes massifs lors de la cristallisation. Annales De Chimie: Science Des Matériaux, 2002, 27, 69-75.	0.2	6
1127	Thermal stability of mechanically alloyed Zr-Cu-Al-Ni glass composites containing ZrC particles as a second phase. Scripta Materialia, 2002, 46, 31-35.	2.6	25
1128	Thermal stability of grain structure and defects in submicrocrystalline and nanocrystalline nickel. Scripta Materialia, 2002, 46, 685-690.	2.6	45
1129	Corrosion behaviour of carbon steel coated with Zr-based metallic glass. Materials and Corrosion - Werkstoffe Und Korrosion, 2002, 53, 85-90.	0.8	6
1130	Superposition of grain size and dispersion strengthening in ODS L1 ₂ (Al,Cr) ₃ Ti. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2002, 329-331, 106-111.	2.6	8
1131	Short-range order of Zr ₆₂ xTi _x Al ₁₀ Cu ₂₀ Ni ₈ bulk metallic glasses. Acta Materialia, 2002, 50, 305-314.	3.8	88
1132	Anomalous thermal stability of Nd-Fe-Co-Al bulk metallic glass. Acta Materialia, 2002, 50, 4357-4367.	3.8	59
1133	Thermal Relaxation and High Temperature Creep of Zr ₅₅ Cu ₃₀ Al ₁₀ Ni ₅ Bulk Metallic Glass. Mechanics of Time-Dependent Materials, 2002, 6, 193-206.	2.3	35
1134	Title is missing!. Journal of Materials Science Letters, 2002, 21, 893-896.	0.5	4

#	ARTICLE	IF	CITATIONS
1135	High Strength Nanostructured Metastable Alloys. Journal of Korean Powder Metallurgy Institute, 2002, 9, 394-408.	0.2	0
1136	Kinetics of the glass-transition and crystallization process of $\text{Fe}_{72}\text{Al}_x\text{Nb}_x\text{Al}_5\text{Ga}_2\text{P}_{11}\text{C}_6\text{B}_4$ ($x=0, \leq 2$) metallic glasses. Applied Physics Letters, 2001, 78, 2145-2147.	1.5	69
1137	Effect of hydrogen on $\text{Zr}_{65}\text{Cu}_{17.5}\text{Al}_{7.5}\text{Ni}_{10}$ metallic glass. Journal of Alloys and Compounds, 2001, 314, 170-176.	2.8	38
1138	Formation of Nanocrystals by Crystallisation of Zr-Al-Cu-Ni-Fe Metallic Glasses. Materials Transactions, 2001, 42, 1509-1516.	0.4	0
1139	Formation and Properties of Zr-(Ti, Nb)-Cu-Ni-Al Bulk Metallic Glasses. Materials Transactions, 2001, 42, 587-591.	0.4	32
1140	Bulk Metallic Glasses and Composites in Multicomponent Systems. Materials Transactions, 2001, 42, 650-655.	0.4	7
1141	Synthesis and mechanical properties of cast quasicrystal-reinforced Al-alloys. Acta Materialia, 2001, 49, 1351-1361.	3.8	102
1142	Nanostructured materials in multicomponent alloy systems. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 301, 1-11.	2.6	41
1143	Stability of the bulk glass-forming $\text{Mg}_{65}\text{Y}_{10}\text{Cu}_{25}$ alloy in aqueous electrolytes. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 299, 125-135.	2.6	74
1144	Influence of iron additions on structure and properties of amorphous $\text{Zr}_{65}\text{Al}_{7.5}\text{Cu}_{17.5}\text{Ni}_{10}$. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 304-306, 311-314.	2.6	8
1145	Hot water corrosion behaviour of Zr-Cu-Al-Ni bulk metallic glass. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 316, 60-65.	2.6	32
1146	Bulk Nanostructured Multicomponent Alloys. Advanced Engineering Materials, 2001, 3, 41-47.	1.6	21
1147	Bulk nanostructured Zr-based multiphase alloys with high strength and good ductility. Scripta Materialia, 2001, 44, 1587-1590.	2.6	39
1148	Phase formation and properties of mechanically alloyed amorphous $\text{Al}_{85}\text{Y}_8\text{Ni}_5\text{Co}_2$. Scripta Materialia, 2001, 45, 237-244.	2.6	41
1149	Nanocrystalline CaO and ZrC as a Second Phase in Amorphous Zr-Cu-Al-Ni Matrix Composites. Materials Science Forum, 2001, 360-362, 85-90.	0.3	14
1150	Glass Transition, Viscosity of the Supercooled Liquid and Crystallization Behaviour of Zr-Al-Cu-Ni-Fe Metallic Glasses. Materials Transactions, JIM, 2000, 41, 1415-1422.	0.9	10
1151	Superconductivity of Annealed and Consolidated Amorphous $\text{YNi}_2\text{B}_2\text{C}$ Powders. Crystal Research and Technology, 2000, 35, 427-435.	0.6	4
1152	Structural and superconducting properties of mechanically alloyed $\text{Y-Pd-TM}_x\text{B}_6\text{C}$ (TM=Ni,Pt). Physica B: Condensed Matter, 2000, 284-288, 1107-1108.	1.3	4

#	ARTICLE	IF	CITATIONS
1153	Quasicrystalline Al-alloys with high strength and good ductility. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000, 294-296, 164-167.	2.6	39
1154	Short-range order in bulk Zr- and Hf-based amorphous alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000, 278, 16-21.	2.6	19
1155	Progress of solid-state reaction and glass formation in mechanically alloyed Zr ₆₅ Al _{7.5} Cu _{17.5} Ni ₁₀ . <i>Acta Materialia</i> , 2000, 48, 3657-3670.	3.8	30
1156	Glass-forming ability of RE-Al-TM alloys (RE=Sm, Y; TM=Fe, Co, Cu). <i>Acta Materialia</i> , 2000, 48, 3823-3831.	3.8	52
1157	Corrosion behaviour of Mg ₆₅ Y ₁₀ Cu ₂₅ metallic glass. <i>Scripta Materialia</i> , 2000, 43, 279-283.	2.6	43
1158	Newtonian flow of Zr ₅₅ Cu ₃₀ Al ₁₀ Ni ₅ bulk metallic glassy alloys. <i>Scripta Materialia</i> , 2000, 43, 459-464.	2.6	88
1159	Effect of annealing in hydrogen on composition, structure and magnetic properties of rapidly quenched Fe-Co-Si-TM-B ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , 2000, 215-216, 434-436.	1.0	2
1160	The synthesis and properties of Zr-based metallic glasses and glass-matrix composites. <i>Jom</i> , 2000, 52, 43-47.	0.9	8
1161	Relation between short-range order and crystallization behavior in Zr-based amorphous alloys. <i>Applied Physics Letters</i> , 2000, 77, 1970-1972.	1.5	138
1162	Equation of state of Zr ₄₁ Ti ₁₄ Cu _{12.5} Ni ₁₀ Be _{22.5} bulk metallic glass. <i>Physical Review B</i> , 2000, 61, 3166-3169.	1.1	60
1163	As-cast quasicrystalline phase in a Zr-based multicomponent bulk alloy. <i>Applied Physics Letters</i> , 2000, 77, 3176-3178.	1.5	64
1164	Atomic ordering and magnetic properties in Nd ₅₇ Fe ₂₀ B ₈ Co ₅ Al ₁₀ solids. <i>Journal of Applied Physics</i> , 2000, 88, 3565-3569.	1.1	54
1165	Formation of ultrafine nanostructure by crystallization of Zr ₅₂ Al ₆ Cu ₁₄ Ni ₈ Fe ₂₀ metallic glass. <i>Applied Physics Letters</i> , 2000, 77, 1153-1154.	1.5	11
1166	Pressure-Volume Relation of Zr-Ti-Cu-Ni-Be Bulk Metallic Glass. <i>Journal of Metastable and Nanocrystalline Materials</i> , 2000, 8, 146-150.	0.1	0
1167	Thermal Stability and Viscosity of Mg-Based Glasses and Composites. <i>Journal of Metastable and Nanocrystalline Materials</i> , 2000, 8, 129-134.	0.1	2
1168	Variation of Superconductivity in Mechanically Alloyed Pseudo-Quaternary Y-Pt/Pd-B-C. <i>Journal of Metastable and Nanocrystalline Materials</i> , 2000, 8, 924-932.	0.1	1
1169	Effect of Co and Cu Alloying on Nd-Fe-Al Based Bulk Amorphous Alloys. <i>Materials Science Forum</i> , 2000, 343-346, 97-102.	0.3	7
1170	Effect of Annealing in Hydrogen on Composition, Structure and Magnetic Properties of Rapidly Quenched Fe-Co-Si-TM-B Ribbons. <i>Materials Science Forum</i> , 2000, 343-346, 835-840.	0.3	1

#	ARTICLE	IF	CITATIONS
1171	Glass-forming Ability and Magnetic Properties of $\text{Nd}_{70}\text{Fe}_{20}\text{Al}_{10}\text{Co}_x$ Alloys. Journal of Materials Research, 2000, 15, 1556-1563.	1.2	53
1172	Corrosion Behaviour of Bulk Amorphous and Crystalline $\text{Zr}_{55}\text{Al}_{10}\text{Cu}_{30}\text{Ni}_5$ Alloys at Ambient and Elevated Temperature. Materials Science Forum, 2000, 343-346, 213-220.	0.3	3
1173	Formation of Nanocrystals in Zr-Al-Cu-Ni Alloys. Journal of Metastable and Nanocrystalline Materials, 2000, 8, 185-190.	0.1	2
1174	Hydrogenation and its effect on the crystallisation behaviour of $\text{Zr}_{55}\text{Cu}_{30}\text{Al}_{10}\text{Ni}_5$ metallic glass. Journal of Alloys and Compounds, 2000, 298, 146-152.	2.8	52
1175	Pressure effect on crystallization of metallic glass $\text{Fe}_{72}\text{P}_{11}\text{C}_{6}\text{Al}_{5}\text{B}_{4}\text{Ga}_2$ alloy with wide supercooled liquid region. Journal of Applied Physics, 2000, 87, 2664-2666.	1.1	67
1176	Crystallization in $\text{Zr}_{41.2}\text{Ti}_{13.8}\text{Cu}_{12.5}\text{Ni}_{10}\text{Be}_{22.5}$ bulk metallic glass under pressure. Applied Physics Letters, 2000, 77, 3553-3555.	1.5	74
1177	Thermal and magnetic properties of bulk glass forming Fe-Al-P-C-B-(Ga) alloys. Journal Physics D: Applied Physics, 1999, 32, 855-861.	1.3	23
1178	Synthesis and Properties of Mechanically Alloyed and Ball Milled High Strength Amorphous or Quasicrystalline Al-Alloys. Materials Science Forum, 1999, 312-314, 49-54.	0.3	11
1179	Mechanically Attrited Superconducting Y-TM-Borocarbides (TM=Ni, Pd). Materials Science Forum, 1999, 312-314, 61-66.	0.3	0
1180	Metastable Phase Formation and Microstructure Evolution from Undercooled Eutectic Melts. Materials Science Forum, 1999, 312-314, 275-280.	0.3	4
1181	Synthesis and Properties of Mechanically Alloyed and Ball Milled High Strength Amorphous or Quasicrystalline Al-Alloys. Journal of Metastable and Nanocrystalline Materials, 1999, 2-6, 49-54.	0.1	5
1182	Deformation-induced microstructural changes in $\text{Fe}_{40}\text{Ni}_{40}\text{P}_{14}\text{B}_6$ metallic glass. Journal of Materials Research, 1999, 14, 3765-3774.	1.2	35
1183	High-strength materials produced by precipitation of icosahedral quasicrystals in bulk Zr-Ti-Cu-Ni-Al amorphous alloys. Applied Physics Letters, 1999, 74, 664-666.	1.5	219
1184	Investigations on the electrochemical behaviour of Zr-based bulk metallic glasses. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1999, 267, 294-300.	2.6	113
1185	Structural and magnetic properties of mechanically alloyed $(\text{Fe}_x\text{Cu}_{1-x})_{93}\text{Zr}_7$ ($x = 0.5, 0.7$) solid solutions. Journal of Magnetism and Magnetic Materials, 1999, 196-197, 214-215.	1.0	8
1186	In-situ explosive formation of NbSi ₂ -Based nanocomposites by mechanical alloying. Scripta Materialia, 1999, 41, 1147-1151.	2.6	30
1187	Short-Range Order of Amorphous $(\text{Zr}_{65}\text{Al}_{7.5}\text{Cu}_{17.5}\text{Ni}_{10})_{100-x}\text{Fe}_x$ Alloys. Physica Status Solidi A, 1999, 175, 449-456.	1.7	3
1188	Mechanically alloyed $\text{Zr}_{55}\text{Al}_{10}\text{Cu}_{30}\text{Ni}_5$ metallic glass composites containing nanocrystalline W particles. Journal of Applied Physics, 1999, 85, 7112-7119.	1.1	99

#	ARTICLE	IF	CITATIONS
1189	High strength AL-alloys with nanoquasicrystalline phase as main component. Scripta Materialia, 1999, 12, 107-110.	0.5	25
1190	Properties of Mg-Y-Cu glasses with nanocrystalline particles. Scripta Materialia, 1999, 12, 127-130.	0.5	11
1191	Nanophase composites in easy glass forming systems. Scripta Materialia, 1999, 12, 439-442.	0.5	11
1192	Nanoparticles in an amorphous Zr ₅₅ Al ₁₀ Cu ₃₀ Ni ₅ -matrix " The formation of composites by mechanical alloying. Scripta Materialia, 1999, 12, 443-446.	0.5	10
1193	Deformation mechanism of amorphous and partially crystallized alloys. Scripta Materialia, 1999, 12, 503-506.	0.5	43
1194	Nanocrystal formation, amorphization and superconductivity in YNi ₂ B ₂ C. Journal of Alloys and Compounds, 1999, 285, 27-36.	2.8	5
1195	Mechanical Alloying of Bulk Metallic Glass Forming Systems. Materials Science Forum, 1999, 312-314, 3-12.	0.3	23
1196	Crystallization behaviour and nanocrystalline microstructure evolution of a Zr ₅₇ Cu ₂₀ Al ₁₀ Ni ₈ Ti ₅ bulk amorphous alloy. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1999, 79, 1095-1108.	0.8	42
1197	Oxide dispersion strengthened mechanically alloyed amorphous Zr-Al-Cu-Ni composites. Scripta Materialia, 1998, 38, 595-602.	2.6	74
1198	Investigations of the solid state reaction process in mechanically alloyed Zr-Al-Cu-Ni bulk metallic glasses by analytical transmission electron microscopy. Fresenius' Journal of Analytical Chemistry, 1998, 361, 740-742.	1.5	0
1199	Effect of oxygen on phase formation and thermal stability of slowly cooled Zr ₆₅ Al _{7.5} Cu _{17.5} Ni ₁₀ metallic glass. Acta Materialia, 1998, 46, 5475-5482.	3.8	293
1200	Effect of crystalline precipitations on the mechanical behavior of bulk glass forming Zr-based alloys. Scripta Materialia, 1998, 10, 805-817.	0.5	189
1201	Structural and magnetic properties of amorphous alloys. Journal of Physics Condensed Matter, 1998, 10, L575-L581.	0.7	7
1202	Mechanically Alloyed and Rapidly Quenched Fe-Zr-B-Cu: Mössbauer Investigation. Materials Science Forum, 1998, 269-272, 425-430.	0.3	3
1203	Thermal Stability and Consolidation Behavior of Mechanically Alloyed Zr-Al-Cu-Ni Powders with Varying Oxygen, Iron and Tungsten Content. Materials Science Forum, 1998, 269-272, 767-772.	0.3	7
1204	Characteristics of Slowly Cooled Zr-Al-Cu-Ni Bulk Samples with Different Oxygen Content. Materials Science Forum, 1998, 269-272, 797-806.	0.3	17
1205	Formation and Stability of Bulk Metallic Glass Forming Mg-Y-Cu Alloys Produced by Mechanical Alloying and Rapid Quenching. Materials Science Forum, 1998, 269-272, 761-766.	0.3	11
1206	Nanostructural Transformation and Mechanical Property Variation of Zr-Ti-Al-Cu-Ni Bulk Amorphous Alloys. Materials Science Forum, 1998, 269-272, 785-790.	0.3	1

#	ARTICLE	IF	CITATIONS
1207	Influence of oxygen on the viscosity of Zr-Al-Cu-Ni metallic glasses in the undercooled liquid region. <i>Journal of Applied Physics</i> , 1998, 83, 3438-3440.	1.1	36
1208	Effect of cooling rate on the precipitation of quasicrystals from the Zr-Cu-Al-Ni-Ti amorphous alloy. <i>Applied Physics Letters</i> , 1998, 73, 2110-2112.	1.5	109
1209	Crystallization Behavior and Phase Formation in Zr–Al–Cu–Ni Metallic Glass Containing Oxygen. <i>Materials Transactions, JIM</i> , 1998, 39, 623-632.	0.9	349
1210	Solid State Processing of Bulk Metallic Glass Forming Alloys. <i>Materials Science Forum</i> , 1997, 235-238, 23-28.	0.3	18
1211	Synthesis and properties of mechanically alloyed Y-Ni-B-C. <i>Materials Letters</i> , 1997, 31, 329-333.	1.3	4
1212	Mechanical alloying of highly processable glassy alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1997, 226-228, 364-373.	2.6	68
1213	Progress of solid-state reaction during mechanical alloying of Zr-Al-Cu-Ni bulk metallic glass-forming alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1997, 226-228, 383-387.	2.6	9
1214	Synthesis of multicomponent Fe-based amorphous alloys with significant supercooled liquid region by mechanical alloying. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1997, 226-228, 425-428.	2.6	21
1215	Relaxation and crystallization of amorphous Zr ₆₅ Al _{7.5} Cu _{17.5} Ni ₁₀ . <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1997, 226-228, 468-473.	2.6	32
1216	Nanostructure formation and properties of ball-milled NiAl intermetallic compound. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1997, 239-240, 619-624.	2.6	33
1217	Formation of ODS L ₁₂ (Al,Cr) ₃ Ti by mechanical alloying. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1997, 239-240, 652-657.	2.6	20
1218	Nanostructure formation and steady-state grain size of ball-milled iron powders. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1997, 226-228, 541-545.	2.6	50
1219	Structural and magnetic properties of nanocrystalline (Fe-Cu) ₉₃ Zr ₇ alloys prepared by mechanical alloying. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1997, 226-228, 577-580.	2.6	2
1220	Remanence enhancement in mechanically alloyed two-phase Nd-Fe-B magnetic material. <i>Materials Letters</i> , 1996, 26, 167-170.	1.3	24
1221	Formation of amorphous alloys with significant supercooled liquid region by mechanical alloying. <i>Journal of Non-Crystalline Solids</i> , 1996, 205-207, 500-503.	1.5	4
1222	Mg-based amorphous alloys with extended supercooled liquid region produced by mechanical alloying. <i>Journal of Non-Crystalline Solids</i> , 1996, 205-207, 514-517.	1.5	14
1223	Mechanically alloyed Fe-Zr-(B,Cu) alloys: effect of composition and heat treatment on the microstructure and the magnetic properties. <i>Journal of Non-Crystalline Solids</i> , 1996, 205-207, 620-623.	1.5	12
1224	Incipient chemical instabilities of nanophase Fe-Cu alloys prepared by mechanical alloying. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 1996, 27, 2934-2946.	1.1	15

#	ARTICLE	IF	CITATIONS
1225	High remanence Nd _{1-x} Fe _x Bi-X (X = Cu, Si, Nb, Cu, Zr) powders by mechanical alloying. Journal of Magnetism and Magnetic Materials, 1996, 157-158, 61-62.	1.0	16
1226	Structural Properties and Compositional Dependence of Grain Size in Heavily Mechanically Deformed Nanophase NiAl. Materials Science Forum, 1996, 225-227, 377-382.	0.3	13
1227	Bulk Metallic Glasses with Significant Supercooled Liquid Region Prepared by Mechanical Alloying. Materials Science Forum, 1996, 225-227, 113-118.	0.3	7
1228	The Influence of Alloy Composition and Thermal Treatment on Structural and Magnetic Properties of Mechanically Alloyed Fe-Transition Metal-Based Alloys. Materials Science Forum, 1996, 225-227, 695-700.	0.3	6
1229	Domain studies on mechanically alloyed Fe-Zr-B-Cu-nanocrystalline powder. IEEE Transactions on Magnetics, 1996, 32, 4383-4385.	1.2	13
1230	Formation of amorphous Zr-Al-Cu-Ni with a large supercooled liquid region by mechanical alloying. Journal of Applied Physics, 1995, 77, 5446-5448.	1.1	52
1231	Relationships governing the grain size of nanocrystalline metals and alloys. Scripta Materialia, 1995, 6, 413-416.	0.5	37
1232	Mechanically alloyed Zr-Ti-Cu-Ni amorphous alloys with significant supercooled liquid region. Materials Letters, 1995, 23, 299-304.	1.3	19
1233	Thermal stability and grain growth behavior of mechanically alloyed nanocrystalline Fe-Cu alloys. Journal of Applied Physics, 1993, 73, 131-141.	1.1	227
1234	Effects of chemistry on the grain size refinement in nanocrystalline Ru and Ru _{1-x} C powders prepared by mechanical attrition. Scripta Materialia, 1993, 2, 433-439.	0.5	7
1235	Melting behavior of nanocrystalline aluminum powders. Scripta Materialia, 1993, 2, 407-413.	0.5	150
1236	Mechanically driven alloying and grain size changes in nanocrystalline Fe-Cu powders. Journal of Applied Physics, 1993, 73, 2794-2802.	1.1	285
1237	Reversible grain size changes in ball-milled nanocrystalline Fe-Cu alloys. Journal of Materials Research, 1992, 7, 1980-1983.	1.2	109
1238	Structural and thermodynamic properties of nanocrystalline fcc metals prepared by mechanical attrition. Journal of Materials Research, 1992, 7, 1751-1761.	1.2	443
1239	Influence of microstructure and composition on the grain size of nanocrystalline Fe-Cu alloys. Scripta Metallurgica Et Materialia, 1992, 27, 1105-1110.	1.0	31
1240	Comparison of glass formation by mechanical alloying and solid-state interdiffusion in Ni _{1-x} Zr composites. Journal of Non-Crystalline Solids, 1991, 130, 273-286.	1.5	18
1241	Synthesis of Ni _{1-x} Ti and Fe _{1-x} Ti alloys by mechanical alloying: formation of amorphous phases and extended solid solutions. Journal of Non-Crystalline Solids, 1991, 127, 90-96.	1.5	58
1242	Formation of quasicrystalline and amorphous phases in mechanically alloyed Al-based and Ti _{1-x} Ni-based alloys. Acta Metallurgica Et Materialia, 1991, 39, 1497-1506.	1.9	90

#	ARTICLE	IF	CITATIONS
1243	Phase Transitions and Quasi-Crystal Formation in Al-Cu-Mn Induced by Ball Milling. Europhysics Letters, 1991, 14, 188-188.	0.7	0
1244	Quasicrystal formation and phase transitions by ball milling. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1991, 133, 393-397.	2.6	42
1245	Comparison of solid-state amorphization by mechanical alloying and interdiffusion in Ni ⁻ Zr. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1991, 134, 1389-1393.	2.6	12
1246	Amorphization reaction during mechanical alloying: influence of the milling conditions. Journal of Materials Science, 1991, 26, 441-446.	1.7	36
1247	Interdiffusion reaction, phase sequence, and glass formation in Ni-Zr composites. Journal of Materials Research, 1991, 6, 1874-1885.	1.2	19
1248	Glass formation and extended solubilities in mechanically alloyed cobalt-transition metal alloys. Journal of the Less Common Metals, 1990, 166, 293-302.	0.9	54
1249	Compositional dependence of quasicrystal formation in mechanically alloyed Al ⁻ Cu ⁻ Mn. Journal of the Less Common Metals, 1990, 167, 143-152.	0.9	20
1250	Formation of quasicrystals by mechanical alloying. Applied Physics Letters, 1989, 55, 117-119.	1.5	163
1251	Glass-forming ranges in transition metal-Zr alloys prepared by mechanical alloying. Journal of the Less Common Metals, 1988, 145, 283-291.	0.9	44
1252	Glass-forming ranges of mechanically alloyed powders. Journal of the Less Common Metals, 1988, 140, 93-98.	0.9	29
1253	Glass-forming range in mechanically alloyed Ni-Zr and the influence of the milling intensity. Journal of Applied Physics, 1988, 64, 3224-3228.	1.1	257
1254	Improvement of the soft magnetic properties of Fe-based glassy alloys with a large supercooled-liquid region. , 0, , .		0
1255	The effect of current annealing on giant magneto-impedance of Fe ₇₂ /Al ₅ /Ga ₂ /P ₁₁ /C ₆ /B ₄ amorphous ribbons. , 0, , .		0
1256	Rapid Manufacturing of Cellular Structures of Steel or Titaniumalumide. Materials Science Forum, 0, 690, 103-106.	0.3	12
1257	Thermal Stability and Crystallization Kinetics of Ti ₄₀ /Zr ₁₀ /Cu ₃₄ /Pd ₁₄ /Sn ₂ /Bulk Metallic Glass. Solid State Phenomena, 0, 188, 3-10.		
1258	About Replacement of Nickel as Amorphization Element for Fabrication of Ultra-Rapidly Solidified Ti-Zr Alloys. Solid State Phenomena, 0, 216, 3-10.	0.3	0
1259	Powder Metallurgy of Nanostructured High Strength Materials. Materials Science Forum, 0, , 1405-1408.	0.3	1
1260	Effect of supporting electrolyte on capacitance and morphology of electrodeposited poly(3,4-propylenedioxythiophene) derivatives bearing reactive functional groups. Molecular Systems Design and Engineering, 0, , .	1.7	2

#	ARTICLE	IF	CITATIONS
1261	Nanosized Magnetization Density Profiles in Hard Magnetic $\text{Nd}_{1-x}\text{Fe}_x\text{Co}_{1-x}\text{Al}$ Glasses. , 0, , 263-276.		0